ACADEMIC BULLETIN

2020 — 2021

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This Bulletin is effective at the beginning of the 2020 fall semester. Student degree programs must be based on the most current Bulletin available to them at the time the student enrolls in their first course. A graduate course is valid for eight years, beginning with the date the student initially enrolls in the class. This Bulletin expires in August 2028.

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LBA: Liberal Arts 1884
LIB: Library Science 1886
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LST: Legal Studies 1895
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Accreditations

Institutional Accreditation

Murray State University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, master's, specialist, and doctorate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call (404) 679-4500 for questions about the accreditation of Murray State University. Normal inquiries such as admission requirements, financial aid, educational programs, etc., should be addressed directly to Murray State University.

State Accreditation

Kentucky Board of Nursing (KBN)
Kentucky Education Professional Standards Board (EPSB)
Program Accreditations
AACSB-International-The Association to Advance Collegiate Schools of Business
Accreditation Council for Education in Nutrition and Dietetics (ACEND)
Accrediting Council on Education in Journalism and Mass Communications (ACEJMC)
American Chemical Society
American Veterinary Medical Association
Applied Science Accreditation Commission of ABET (ASAC/ABET)
Commission on Accreditation of Allied Health Education Programs (CAAHEP)
Commission on Collegiate Nursing Education (CCNE)
Council for Accreditation of Counseling and Related Education Professions (CACREP)
Council for the Accreditation of Educator Preparation (CAEP)
Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language Hearing Association (CAA)
Council on Accreditation of Nurse Anesthesia Educational Programs (COA)
Council on Social Work Education (CSWE)
Engineering Accreditation Commission of ABET
Engineering Technology Accreditation Commission of ABET
Master's in Psychology and Counseling Accreditation Council (MPCAC)
National Association of Schools of Art and Design (NASAD)
National Association of Schools of Music (NASM)
National Association of Schools of Theatre (NAST)
Facility Accreditation
American Association of Veterinary Laboratory Diagnosticians (AAVLD) (Breathitt Veterinary Center)

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The contents of this publication are subject to change. Anyone desiring current information and data should contact the appropriate representative of the University for accurate and up-to-date information.

Murray State University reserves the right to modify or change any rule, regulation, fee or policy stated herein. This reservation includes, but is not limited to, the right to modify or change any academic program, subject to any limitations imposed by state law.

For additional policies, procedures and information, faculty, staff and students are advised to consult all official university publications, such as the *Faculty Handbook*, *Schedule of Fees*, *Personnel Policies and Procedures Manual*, *Student Life Handbook*, and the University *Bulletin*. It is the responsibility of each member of the faculty and staff and each student to be aware of and comply with these policies and procedures.

The University: Our Vision

For 96 years, Murray State University has been the cornerstone of higher education in the western end of the Commonwealth, providing economic development, cultural experience, fine art, knowledge, and tradition to the people and businesses of this region. The University has reached an enrollment beyond 10,000 since its founding in 1922, welcoming students from the service region, across the United States, and more than 50 countries to an inclusive campus abounding with opportunity and rich experiences...hope, endeavour, and achievement.

Murray State's excellence through academic programs, quality faculty, innovative student initiatives, characteristic facilities, and dedicated staff has resulted in continuous accreditation by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) since 1928, and most recently achieved a perfect review—a goal which institutions strive to achieve. Individual program accreditations have also been awarded in art, chemistry, civil engineering technology, communication disorders, counseling, dietetics, engineering physics, journalism and mass communications, music, nursing, occupational safety and health, school administration, social work, speech-language pathology, teacher education, and veterinary technology, as well as several business programs.

Murray State University has a commitment to extend its educational programs throughout the region. Off-campus courses are available at a number of sites including Fort Campbell, Henderson, Hopkinsville, Madisonville, and Paducah. The university provides a variety of distance learning alternatives for students who may not be able to attend classes on the main campus.

The international dimension of the university's offerings include summer study-abroad programs in several countries and direct exchange programs for students and faculty. On campus, the English as a Second Language program prepares non-native speakers of English for full-time study and for future professional careers.

The university's main campus is in Murray, a city of over 18,000 and the winner of the designation, "Friendliest Small Town in America" from Rand McNally and USA Today. Being in the renowned lake region of far western Kentucky, Murray offers the faculty, staff, and students a wealth of opportunity to enjoy the outdoors. Land Between the

Lakes, a national recreation area situated between Kentucky and Barkley lakes, is a 20-minute drive from campus and there are four of the finest state parks in Kentucky within an hour of the city.

The main campus comprises over 74 major buildings, including classroom and office buildings and two libraries. The Waterfield Library houses the circulating collection, reference sources, government documents, microforms and periodicals. The historic Pogue Library contains special materials relating to the history and culture of west Kentucky and the region.

Notable campus facilities also beneficial to this region and beyond include:
• The Arboretum, located on a 10-acre section of Murray State's Pullen farm, offering a fully accessible horticultural display for educational and regional use ranging from open prairie to display and community gardens. A functional educational pavilion/outdoor classroom is available for use by MSU or community groups.
• The CFSB Center, Lovett Auditorium, and the Robert F. Johnson Theatre serve as venues for musical and theatre productions, concerts, and lectures.
• The Price Doyle Fine Arts Center, offering excellent facilities for fine arts programming and featuring year-round art exhibitions, a variety of musical performances, and a season of full-scale theatre productions.
• Listed with the National Registry of Historic Sites, the Wrather West Kentucky Museum, offers programs, exhibits and collections of west Kentucky history, as well as, traveling exhibits.
Four agricultural laboratory/research farms totaling 571 acres, and an animal health technology facility are all within a mile of campus. Regional veterinarians and animal owners benefit from the animal disease diagnostic services provided at the new Breathitt Veterinary Center in nearby Hopkinsville, Kentucky; in addition, animal health technology students receive instruction, conduct research, and perform field service investigations at the accredited facility.

Approaching 100 years of service, Murray State University's mission focuses on undergraduate, graduate, and professional instruction as well as enhancement of the educational, economic, and cultural opportunities of the people of west Kentucky.

Visiting the University
Murray State encourages and welcomes visitors to campus. Visitors have the opportunity to meet with an admission counselor, tour campus, and receive a wealth of campus information. A campus visit may be scheduled online at www.murraystate.edu/campus/planvisit or by calling the Office of Recruitment at 800-272-4678 ext. 2.

Mission
Murray State University places our highest priority on student learning and excellent

teaching, blending the range of educational opportunities often experienced at research institutions with the nurturing student-teacher interactions usually found at smaller universities. We offer relevant undergraduate and graduate degree programs with core studies in the liberal arts and sciences, leading to degrees from certificates to advanced practice doctorates that prepare students for success. Through effective and creative teaching, the opportunity to apply knowledge and skills to real-world situations, and academic and student support services, our quality faculty and staff foster student growth in knowledge, critical inquiry, and innovative thinking. As a public comprehensive university dedicated to diversity, global awareness, and intellectual curiosity, we actively engage students, faculty, staff, and the community in collaborative scholarship, creative activity, and research. We invest in our communities through thoughtful public service in our 18-county service region and beyond. Our uniqueness arises from our combination of academic excellence, welcoming atmosphere, and dedication to student success through mentored, real-world learning opportunities in an open-minded and supportive learning environment.

Values

• Accessibility
Murray State values broad, equal, and affordable educational access for all.
• Academic Freedom
Murray State values the generation and free exchange of ideas in a peaceful and orderly environment that encourages communication and the resolution of differences.
• Accountability
Murray State values a comprehensive accountability system through outcomes assessment and institutional effectiveness, supporting our primary mission as a university.
• Diversity
Murray State values attracting, developing, and maintaining a diverse, high-quality faculty, staff, and student body.
• Excellence
Murray State values a sustained commitment to teaching, research, and service excellence.
• Integrity
Murray State values an environment that demands high levels of professional and academic ethics.
• Nurturing Environment
Murray State values a safe, friendly, and supportive campus and community environment.
• Shared Governance
Murray State values a culture of shared governance, open communication, and understanding among administration, faculty, staff, and students.
• Student-Centered Learning
Murray State values an environment that fosters the engagement of the student in the learning process both in and beyond the classroom.

Characteristics of the Murray State University Graduate

The excellence of a university's baccalaureate program is ultimately best demonstrated by the qualities, characteristics, and performance of its graduates. Murray State University sets as its goal a baccalaureate experience that ensures graduates who:

I. Engage in mature, independent, and creative thought and express that thought effectively in oral and written communication;
II. Understand and apply the critical and scientific methodologies that academic disciplines employ to discover knowledge and ascertain its validity;
III. Apply sound standards of information gathering, analysis, and evaluation to reach logical decisions;
IV. Understand the roles and applications of science and technology in the solution of the problems of a changing world;
V. Demonstrate a critical understanding of the world's historical, literary, philosophical, and artistic traditions;
VI. Understand the dynamics of cultural diversity, of competing economic and political systems, and of complex moral and ethical issues;
VII. Understand the importance of and engage in ethical behavior and responsible citizenship;
VIII. Understand the importance of the behaviors necessary to maintain a healthy lifestyle;
IX. Demonstrate mastery of a chosen field of study; and
X. Value intellectual pursuit and continuous learning in a changing world.

Organization of the University

The government of the university is vested in the Board of Regents of Murray State University, a corporate body established by statute and enjoying all immunities, rights, privileges and franchises of an educational governing body.

The president serves as the chief executive officer of the university and as such is ultimately responsible to the Board of Regents for all matters pertaining to the institution. The president reports directly to the board.

Following the organizational structure established by the Board of Regents, responsibility for most operational units of the university is divided between four executive officers who report to the president: the provost and vice president for academic affairs, the vice president for student affairs, the vice president for finance and administrative services, and the vice president for university advancement. These four vice presidents serve as the president's management team, advising the president on the operation of the university, making recommendations on the establishment of administrative policy, and executing responsibilities, both individually and collectively, within the university governance system. The vice president for academic affairs is the senior vice president.

Academic Units

Murray State University is comprised of four colleges and two schools. The colleges are Business; Education and Human Services; Humanities and Fine Arts; and Science, Engineering and Technology. The School of Agriculture and the School of Nursing and Health Professions complete the academic structure. Students are offered unique programs of human endeavor with interdisciplinary study to provide a broad educational perspective.

The Arthur J. Bauernfeind College of Business offers programs in accounting, advertising, business administration, computer science, cybersecurity and network management, economics, economic development, finance, graphic communications management, information systems, journalism, logistics and supply chain management, management, marketing, mass communications, nonprofit leadership studies, organizational communication, public relations, and television production.

The College of Education and Human Services offers programs in career and technical education, communication disorders, criminal justice, education administration, elementary education, health and physical education, human development and leadership, interdisciplinary early childhood education, learning and behavior disorders, library media, middle school education, postsecondary education, reading and writing, school counseling, secondary education, social work, special education, speech-language pathology, and teacher education and professional development. The college also offers an EdD in P-20 and Community Leadership.

The College of Humanities and Fine Arts offers programs in art, creative writing, English, global languages, history, international studies, liberal arts, music/music education, music business, political science, psychology, public administration, sociology, teaching English to speakers of other languages, and theatre. A doctorate is offered in English Pedagogy.

The Jesse D. Jones College of Science, Engineering and Technology offers programs in applied physics, biology, chemistry, civil and sustainability engineering, construction management and architecture, cybersecurity management, earth and environmental sciences, electromechanical engineering technology, engineering graphics and design, engineering management, engineering physics, industrial technology, manufacturing engineering technology, mathematics, occupational safety and health, physics, sustainability studies, and wildlife and conservation biology.

The Hutson School of Agriculture offers programs in agriculture, agriculture science, and animal technology.

The School of Nursing and Health Professions offers the Bachelor of Nursing and the Doctor of Nursing Practice. Health profession programs are offered in exercise science, nutrition and dietetics, and public and community health.

Murray State University maintains high academic standards in a wide variety of programs, offers close student/faculty relationships, and provides career and job placement counseling.

International Education

International Education Policy. The mission of Murray State University includes as a priority the commitment to experiential education in order to prepare students to function in an increasingly interdependent world. The university supports and encourages the development of international content across the curriculum, the provision of opportunities for international experience for both students and faculty, the active and continuous exploration of international issues on campus, and the meaningful involvement in the life of the university of international students and scholars.

Institute for International Studies. The Institute for International Studies (IIS) supports Murray State's commitment to international education as an integral dimension of the university experience. IIS provides the following services to students, faculty and the community:

• Assistance to International Students and Scholars. Full-time international student advisors provide assistance in addressing the academic, personal, intercultural, and immigration needs of international students. Additionally, IIS provides students, research scholars and visiting faculty with orientation programs, immigration advising; and cultural enrichment activities. The International Student Organizations offer an active, caring community of support for almost 500 students from more than 60 countries.

• Special Program Development. IIS is involved in initiating special programs with an international emphasis. Internal and external groups can work to develop programs to support their specific interests. These have ranged from lecture series to longer curricular programs designed for language study, ESL training, or professional development.

• Curriculum Support. With IIS support, the university has also developed and refined an international affairs curriculum on campus, initiated an English-as-a-Second-Language Program, created professional development seminars abroad, supported the development of a graduate TESOL program, and worked toward the creation of degree programs at home and abroad.

• English as a Second Language Program. The ESL Program prepares nonnative speakers of English for full-time study at Murray State or other North American schools. Through careful assessment, intensive instruction, and out-of-class activities such as field trips, seminars, and a mentoring program, international students receive the personal attention they need to advance their English skills. For more information, see the section on International Student Admission in Undergraduate Admissions or Graduate Admissions.

Education Abroad. The Education Abroad Office supports and trains students, faculty, and staff to participate in programs abroad. Faculty and professional staff are invited to submit program ideas annually and receive training and support for program development. Student programs abroad are supported through a team of advisors, an

extensive scholarship program, and widespread academic and administrative support across campus. MSU provides opportunities to study across the globe in all academic areas in both English-speaking and foreign language environments. Students can study with their own MSU faculty on Signature Programs for the fall semester, winter break, spring break, or summer break; through direct enrollment in semester and year exchange programs in universities abroad; or through one of several consortia providing semester, summer, and winter programs, including the Cooperative Center for Study Abroad (CCSA), International Business Seminars (IBS), and the Kentucky Institute for International Studies (KIIS). Study abroad programs combine formal academic coursework with hands-on experiences on location.

Student Affairs

The primary concern of Student Affairs is the student. This concern encompasses retention, welfare, and growth and development in all dimensions of student life including educational, vocational, social-cultural, civility and tolerance, psychological, values clarification and physical. Student Affairs provides a variety of educational and administrative services, programs and activities in support of the Strategic Plan of the university. It is committed to excellence in and the integration of curricular and co-curricular activities to ensure a supportive living-learning environment.

Student Affairs' offices include Adventures in Math and Science; Campus Recreation/Wellness Center; Career Services; Curris Center; English as a Second Language; Institute for International Studies; LBGT Programs; Multicultural Affairs; Student Conduct; Student Disability Services; Student Engagement and Success; Student Government; Center for Student Involvement; Student Organizations; Student Support Services; Talent Search; University Counseling Services; University Post Office; Upward Bound; Veteran and Military Success, and the Women's Center. These units are coordinated through the Office of Student Affairs, located on the fourth floor of Wells Hall, (270) 809-6831. Students, their families, and the public are encouraged to contact any of these offices for information and assistance with any student-related concern.
To view the *Student Life Handbook*, visit
www.murraystate.edu/headermenu/administration/studentaffairs/policies.aspx.

Undergraduate Admissions

(270) 809-3350 or 800-272-4678 ext. 1
msu.admissions@murraystate.edu
msu.intl.ap@murraystate.edu
msu.transfercenter@murraystate.edu

Murray State University reserves the right to modify regulations regarding admission, registration, drop/add, course arrangements, curricula, retention, graduation and other functions of the university.
Such regulations shall govern both old and new students and are effective when adopted.

General Admission Information
Applications and information are available at Murray State's website at www.murraystate.edu. Assistance with applying may be obtained by writing Murray State University, Undergraduate Admissions, 102 Curris Center, Murray KY 42071, or by calling (270) 809-3350 or toll-free 800-272-4678, menu option #1. Admission applications and related transcripts should be mailed to Undergraduate Admissions, 102 Curris Center, Murray, KY 42071.

NOTE: accounting, business administration, communication disorders, computer information systems, criminal justice, dietetics, exercise science, finance, management, marketing, music, nonprofit leadership studies, nursing, occupational safety and health, social work, teacher education, and the Bachelor of Integrated Studies program all have additional admission requirements. Review their sections in this Bulletin for more information. Students participating in NCAA sports must also meet NCAA academic eligibility requirements.

Residency for Tuition Purposes. Under 13KAR2:045, the Commonwealth of Kentucky requires that all admission applications be reviewed to determine if documentation of residency is required. Each applicant is notified if documents are needed. Additional information can be obtained at the following website: www.lrc.ky.gov/kar/013/002/045.htm.

First-Time Freshmen Admission Procedures
Murray State University formally declares its commitment to all laws mandating affirmative action and equal opportunity regulations, together with all valid state and federal regulations enacted pursuant thereto. The policy of Murray State University is to guarantee freedom from discrimination in its operation and administration of its programs, services, and employment practices; in its relationships with students, faculty and staff; and in its interactions with the community which it serves.

Your Expectations. Students have the right to expect their schools to provide them with the best possible preparation for an increasingly competitive world. Murray State University has consistently been ranked among the top 25 percent of Southern regional and liberal arts colleges in U.S. News and World Report's publication of America's Best Colleges, and in 2019 is ranked eleventh top public regional university in the Southern region.

Our Expectations. Murray State University is committed to providing the best possible educational services to help students prepare for a successful and productive future. Students who meet the following admission standards will have a greatly increased probability for success at this university.

First-time freshmen (and transfer students with fewer than 24 hours of transferrable degree credit) who are admitted may choose to pursue either a baccalaureate (four-year) or associate (two-year) degree. New freshmen may not apply for the Bachelor of Integrated Studies program.

Required Documents

A student applying for admission who withholds or gives false information or documents can be denied admission to or withdrawn from Murray State. Each first-time freshman applying to Murray State

• must submit an application for admission with a $40 nonrefundable application fee;

• must either self-report the cumulative high school grade point average and class rank on the admission application or have an official high school transcript that includes a minimum of six semesters of course work, and the student's class rank mailed/sent as a PDF file by email or submitted through Parchment.com to **Undergraduate Admissions** from the applicant's high school counselor. (**Admission is not complete until a final official transcript is mailed/sent electronically through Parchment.com, or emailed as a PDF file by the counselor after graduation. It must include the date of graduation, all courses and grades, and the student's final class rank. If your high school does not rank, then the applicant's admissions status will be based on GPA and Standardized Test Scores**);

• must either self-report a full set of ACT/SAT scores or have an official ACT or SAT score report sent to Undergraduate Admissions. **Official ACT/SAT scores included on official transcripts submitted to Undergraduate Admissions are also acceptable.** (Applicants who have enrolled at any college(s) other than Murray State while in high school must also have official college transcripts mailed or sent electronically to Undergraduate Admissions. These transcripts are required even if the student withdrew or does not want the credit transferred.

• Applicants who have testing credit from CLEP, IB, or AP must have official score reports mailed directly to **Undergraduate Admissions** from the testing service.

To be considered for full admission each applicant must have received or be receiving a high school diploma before the term for which he/she is applying. Those individuals who have not graduated from accredited high schools may be required to have a GED and an official report of the student's GED scores, mailed directly to Undergraduate Admissions from the center where he or she was tested.

Accuplacer and KYOTE Testing

Murray State utilizes two tests for placement and assessment. The Accuplacer test is a comprehensive computerized placement and diagnostic assessment instrument. Murray State University administers the Accuplacer for non-traditional students who are 21 years of age or older for admission purposes. KYOTE (Kentucky Online Testing Program) currently offers English, reading and math readiness and college algebra placement tests. KYOTE writing and reading test will be available soon.

Murray State administers Accuplacer and KYOTE tests on a limited basis. Accuplacer and KYOTE placement tests are alternatives if ACT/SAT individual test scores do not meet MSU's admission and placement requirements. If you have any questions, contact the Office of Undergraduate Admissions.

NOTE: For admission and placement use, Accuplacer and KYOTE scores must be current—taken within the last 12 months.

If you would like to schedule an appointment for the Accuplacer test or if you have any questions, please call (270) 809-6848.

Please call (270) 809-6267 to schedule an appointment for placement testing.

First-Time Freshmen Admission Requirements
Students meeting NCAA qualifier requirements are eligible for admission as a baccalaureate student.
All entering freshmen must have a minimum high school 2.00 GPA on a 4.0 scale to be considered for admission.

Note: Kentucky residents under the age of 21 must complete the state-mandated pre-college curriculum. All other applicants must complete a comparable college-preparatory curriculum. ACT/SAT writing scores are optional.

The admission requirements listed below are effective for the Spring 2020 term.

Pursuant to 13KAR2:020, Section 3, the minimum requirements for undergraduate admissions to a degree program at Kentucky Public Universities is provided. See

https://apps.legislature.ky.gov/law/kar/013/002/020.pdf for complete information. Hereto provided is particular information:
(1) Graduates of a public or certified non-public Kentucky high school applying for admission shall:
(a) Meet the Kentucky Minimum High School Graduation Requirements related to 704 KAR 3:305;
(b) 1. Meet the pre-college curriculum requirements; and
2. If an applicant has not met the pre-college curriculum requirements, as defined in Section 1(13)(b) of this administrative regulation, complete the world language requirements established by the institution as part of their college curriculum;
(c) Take the established college admission or academic readiness assessments established by the Kentucky Department of Education; and
(d) Have a minimum unweighted high school GPA of:
1. 2.5 on a 4.00 scale; or
2. a 2.0 to 2.49 on a 4.0 scale; and
b. Enter into a learning contract with the university prior to enrollment.
(2) Graduates of public or certified non-public non-Kentucky high schools applying for admission shall meet criteria for admission established by the institution that is commensurate with the minimum criteria established in Section 3(1) of this administrative regulation.

An applicant is admitted as a baccalaureate-degree seeking student if all components in either Part I or Part II are satisfied:

Part I (Test Optional):
a) Earns at least a 3.0 GPA (unweighted) on 4.0 scale;
b) Takes the ACT or SAT or approved college assessment per 13KAR2:020 Section 3, Subsection(1)(c) or 13KAR2:020 Section 3, Subsection (2); and
c) Has pre-college curriculum per 13KAR2:020 Section 3, Subsection (1)(b):1,2 or 13KAR2:020 Section 3, Subsection (2).

Part II:
a) Achieves an ACT of at least 18 or SAT of at least 960 (2018 concordance of ACT and SAT conversion);
b) Earns at least a 2.0 GPA (unweighted) on 4.0 scale per 13KAR2:020 Section 3, Subsection (1)(d):1,2 or 13KAR2:020 Section 3, Subsection (2); and
c) Has pre-college curriculum per 13KAR2:020 Section 3, Subsection (1)(b):1,2 or 13KAR2:020 Section 3, Subsection (2).

A student must enter into a learning contract if
a) Earns a 2.0 to 2.49 GPA (unweighted) on a 4.0 scale
OR
b) Does not attain the testing ACT/SAT benchmark scores in two or three of the following content areas (English, Mathematics and Reading).
Student Engagement and Success will maintain student success contracts.

If a student has a cumulative ACT of 17 and earned at least a 2.0 GPA (unweighted) on a 4.0 scale, the student's application will be examined by an admission review committee for possible admittance to Murray State University.

Every student who has a student success contract will receive additional support and will be able to declare a major.

Co-requisite Courses with Testing Benchmarks
All Kentucky state-supported colleges and universities are required by the Council on Postsecondary Education to use the indicators of readiness as measures of college academic readiness. If a person has the following benchmark test scores (based on 2018 Concordance of ACT and SAT conversion), then co-requisite courses will be needed.

	ACT	SAT
English	17 and below	evidence-based Reading and Writing under 480 or under 25 on the Writing and Language Test
Mathematics	18 and below	Mathematics below 500
Reading	19 and below	Same as for English

Co-requisite courses for English 105 are provided. The co-requisite courses for mathematics depend on the major that a student will pursue. A student can refer to the *Test Score Placement Chart* on *myGate* or access it at http://racernet.murraystate.edu/administ/registrar/TestPlacementChart.pdf.

ACT	SAT	Course(s)
English (0-17) and Reading (20-36)	Writing and Language (0-470 or 20-24) and Reading (480-800 or 25-80)	Co-requisite ENG 105 and ENG 111
English (18 and above) and Reading (0-19)	Writing and Language (480-800 or 25-80) and Reading (0-470 or 20-24)	Co-requisite ENG 105 and REA 112
English (0-17) and Reading (0-19)	Writing and Language (0-470 or 20-24) and Reading (0-470 or 20-24)	Co-requisite ENG 105 and ENG 111 and READ 112

Early High School Admission. A student who is currently in high school may be granted permission to enroll for courses prior to graduation. Inquiries should be directed first to the student's high school counselor and then to Undergraduate Admissions. Students seeking early admission must be able to succeed without remediation. These students are referred to as Racer Academy admits.

Home Schooled or Non-accredited High School Student. A student who is graduated from a non-accredited high school or one who is homeschooled may be considered for admission. The same admission documents and tests are required; however, GED testing may be required.

Admission Appeals. A new freshman who is denied admission and is a U.S. citizen may obtain information on appealing that decision by contacting the Office of Recruitment at 800-272-4678, ext. #2, for the appeals procedure.

Readmission
An undergraduate student in good standing who has previously attended Murray State University but has been out for two full years will need to submit: 1) a readmission application; 2) a $40 nonrefundable fee; and 3) any records requested by Undergraduate Admissions.

A student who has been out of Murray State University for two full years but has attended other institutions must submit official transcripts from previously attended institutions. A student who withholds or gives false information or documents can be denied admission or withdrawn from the University. A student may be admitted as long as the student's cumulative GPA meets the 2.00 admission requirement on a 4.00 scale. A readmission applicant who is denied admission may appeal that decision to the Admission Appeals Committee.

Undergraduate Non-Degree Classification
Any entering student regardless of classification (freshmen, transfer, adult learner, post-baccalaureate, etc.) is eligible to pursue course work as a non-degree student per KRS 164.001. The goal of Murray State's policy for non-degree students is to provide appropriate access to academic courses for students who would like to continue their education but who do not wish to seek a degree. Although degree-seeking students have top priority in terms of utilization of university resources, the university does wish to provide access to these resources on a space-available basis to students who are not seeking a degree. Non-degree status affords an opportunity for individuals to enroll

in a few courses of specific interest to them without the structure of degree-seeking status, and is consistent with the educational mission of the university. Non-degree students are not eligible for financial aid or scholarships.

Most non-degree students are considered “lifelong learners” and include the following groups: senior scholars, students who have already earned degrees, employees wanting to gain new skills, and others who have special interests. (See information about visiting students and high school students with exceptional ability in this section.)

Non-degree applicants must submit to Undergraduate Admissions:
1. an application for admission including a list of all postsecondary institutions attended;
2. a non-refundable $40 application processing fee, if applicable; and
3. any records requested by Undergraduate Admissions to determine residency and/or eligibility for non-degree status. Diagnostic testing may be required before enrolling in courses that require a minimum level of competency.

To be admitted as a non-degree student, an applicant must meet the following criteria:
1. Applicants who have been denied admission as degree-seeking students may not in turn be admitted as non-degree seeking students.
2. Murray State students under academic or disciplinary suspension may not be admitted as non-degree students.
3. Students currently under suspension at other institutions may not be admitted as non-degree students. Failure to disclose a current suspension may result in forfeiture of eligibility for future enrollment.
4. Students are strongly encouraged to submit transcripts of high school or prior college work at the time of admission to facilitate advising about appropriate course work.

The following rules govern enrolling as a non-degree seeking student:
1. Non-degree students fall under the same fee, academic and grading policies as degree-seeking students, are expected to participate fully in class, and must meet course prerequisites or obtain the consent of the instructor to enroll in a course. (See the section on auditing below.)
2. Students classified as non-degree pre-schedule with students who are classified as freshmen.
3. **No one may continue to enroll as a non-degree student after earning 24 semester hours in this status without the special permission of the dean of the college in which the student is registered.**
4. No transfer, military, AP, CLEP, or other testing credit will be recorded on the record of a student classified as a non-degree student. An enrolled non-degree student may apply to take departmental challenge examinations.
5. If a non-degree student decides to apply for degree status, the student must complete a new application and must meet the admission requirements in effect at the time of the request for a review of status.
6. Credit earned as a non-degree student will be evaluated for applicability toward a

degree by the chair of the academic department in which the student will be enrolled. No graduate or professional credit is awarded for courses taken while a student is enrolled as an undergraduate non-degree student. Acceptance of non-degree credit for transfer is at the discretion of the receiving institution.

Post-Baccalaureate Admission

Individuals having successfully completed the requirements for a baccalaureate or higher degree who wish to take additional undergraduate courses may be admitted as post-baccalaureate students. 1) A post-baccalaureate applicant must submit a post-baccalaureate application, and 2) a $40 nonrefundable fee. All non-MSU graduate, post-baccalaureate applicants should request an official transcript be sent directly to The Transfer Center from the Registrar's Office of the college that conferred his or her degree. **A student pursuing a degree from Murray State must have official transcripts sent directly to The Transfer Center from each college attended.**

A readmitted post-baccalaureate student who has below a 2.00 cumulative GPA on all undergraduate post-baccalaureate course work will be readmitted on probation and must comply with all probation policy regulations.

Documents to verify residency may be required.

Transfer Students

Admission. A student who wishes to transfer to Murray State University from another regionally accredited college or university must submit 1) an application for admission, and 2) a non-refundable $40 fee, and 3) have all official transcripts sent to the Transfer Center from each school attended. **Under no condition will the applicant be permitted to ignore previous college work.**

A student who withholds or gives false information or documents can be denied admission or withdrawn from school and denied a degree. Academic bankruptcy declared at another college does not apply at Murray State University.

A student who has 24 semester hours of transferable degree credit with a minimum of a 2.00 (*C*) cumulative grade point average on all previous courses, as calculated by Murray State, and is in good standing academically and financially at all colleges previously attended, is eligible for admission to Murray State. An applicant who has a minimum of a 2.00 (*C*) cumulative GPA but who has fewer than 24 semester hours of transferable degree credit must also submit an official ACT/SAT score report and an official high school transcript mailed directly to the Transfer Center from the high school the student attended. The high school transcript should include the student's class rank and date of graduation. These documents will be reviewed to determine admission using First-Time Freshman Admission Requirements in conjunction with college coursework.

A student who has attended only colleges that are not regionally accredited and would

like to appeal the credit may contact the Transfer Center at 1-855-668-8886 for additional information.

Admission Appeals. A new transfer student who is denied admission and is a US citizen should contact the Transfer Center at 1-855-668-8886, for the appeals procedure.

Transfer of Credit. Degree credits earned at other regionally accredited (as recognized by Murray State) American institutions of higher education may be transferred to Murray State and applied toward a degree. **The *Transfer Credit Practices* report published by the American Association of Collegiate Registrars and Admissions Officers will be the reference used for determining an institution's accreditation status.** Transfer courses at the 100 or 200-level that are not direct equivalents of MSU courses will not be considered upper-level credit, including those courses that might be substituted for an upper-level course requirement in a degree program. All work is converted to semester hours and a 4.00 grading scale. Murray State's probation and repeat policies are applied as required. Transferred incomplete grades do not carry hours attempted; i.e., they do not affect the student's grade point average.

All acceptable transfer credit is formally evaluated, with a copy of the degree audit made available to each transfer student and to his/her advisor.

A student must be currently enrolled at Murray State before any transfer, military, or testing credit will be recorded as part of a permanent record. There is no limit to the number of hours that may be transferred from a regionally accredited institution. However, it is important to remember that a certain number of hours must be completed at Murray State.

Military Service Credit. Credit for courses taken in military service schools is evaluated according to recommendations in the Guide to the Evaluation of Educational Experience in the Armed Services published by the American Council on Education. Courses listed in two other American Council on Education publications, the National Guide to Educational Credit for Training Programs and the Directory of the National Program on Non-Collegiate Sponsored Instruction (PONSI), are evaluated for credit on an individual basis.

Credits earned through educational institutions located outside the United States will be considered for acceptance after appropriate evaluation. Students may contact the Office of International Admissions for information regarding the evaluation procedure.

University Studies. Transfer students who have completed reasonable communication and basic skills, science and mathematics, humanities and fine arts, and social science courses for the same number of hours as required at Murray State,

will be credited with completion of the University Studies component of degree requirements. Any deficiencies at the time they first enroll at Murray State must be fulfilled according to MSU regulations.

Transfer Students with an Approved Associate Degree. A transfer student who has completed, as of May 1995 or later, an approved baccalaureate-oriented Associate of Arts or Associate of Science degree will (a) be accepted with junior class standing provided the student has completed at least 60 semester credit hours, and (b) be considered to have completed the baccalaureate University Studies requirements. However, additional University Studies courses may be needed if they are required for the student's major and/or degree and an equivalent course has not been transferred. Associate degrees completed before May 1995, will be reviewed by the Transfer Center. If the degree is determined to be baccalaureate-oriented and to have comparable content and credit hour criteria, the same benefits will be extended to those graduates.

Transfer Students Who Do Not Have an Approved Associate Degree. Students seeking a baccalaureate degree who, transfer fewer than six semester hours in the University Studies World's Historical, Literary, and Philosophical Traditions category will be required to take HUM 211 and CIV 201 or CIV 202 toward completion of that block, unless their transfer credit includes courses which are clearly equivalent to Murray State's HUM 211 and CIV 201 or CIV 202.

Kentucky General Education Transfer Agreement

The Council on Postsecondary Education and the public colleges and universities in Kentucky have developed a University Studies core transfer component that reflects the distribution of disciplines included in university-wide lower-division general education requirements for the baccalaureate degree. A **Fully General Education Certified** student, as verified by the sending institution, is considered to have completed Murray State's baccalaureate University Studies requirements. However, additional University Studies courses may be needed if they are required for the student's major and/or degree and an equivalent course has not been transferred.

To be **Fully Certified** a student must have a minimum cumulative GPA of 2.00 (4.00 scale) and have met each of the following criteria at the time of transfer:

1. earned at least 60 hours of college-level credits;
2. completed at least 45 hours of University Studies courses;
3. completed the 30-hour core transfer component.

If a student plans to transfer from another Kentucky state university or community college, please view the Transfer Center website (www.murraystate.edu/transfercenter/transfer) for updated regulations regarding transferring general education courses or contact the Transfer Center at (270) 809-3350.

Transfer Frameworks. The Baccalaureate Program Transfer Frameworks identify 12 hours of course work in a major which may be successfully transferred in addition to the general education block. Each framework represents a specific guide to the exact courses a student needs. For more information about the Transfer Frameworks contact the Transfer Center.

Visiting Students

A student who is currently enrolled or working toward a degree at another college and wants to enroll at Murray State for credit that will be transferred is considered a visiting student. **A minimum of a 2.00 (4.00 scale) cumulative GPA is required to be eligible to enroll at Murray State as a visiting student.** A student must submit a visiting application and a $40 nonrefundable fee. To complete admission, an official letter of good standing or official transcript from the Registrar's Office of the college from which the student will be visiting is required. It is important to remember (1) no transfer credit is posted to a visiting student's permanent record at Murray State; (2) a visiting student who decides to transfer to Murray State must comply with all of the transfer admission requirements in force at the time the change of status is requested; (3) the acceptability of transfer credit from Murray State to another college is determined by the receiving institution; (4) visiting student status is generally valid for only one term; and (5) To re-enroll as a visiting student an official letter of good standing or transcript must be submitted to the Transfer Center.

International Undergraduate Student Admission

University Admission. *A nonrefundable application fee of $50 must accompany any application for admission as an international student.* For more information on how to apply, please visit http://www.murraystate.edu/students/international/index.aspx. All international students, including transfer students from non-English speaking countries, are required to take the Test of English as a Foreign Language (TOEFL), the International English Language Testing System (IELTS), or complete Murray State's English as a Second Language Program. A student *must* request that an official score report be mailed by the testing service directly to The Office of International Admissions, 101 Pogue Library, Murray, KY 42071. **These score requirements are subject to change.** In addition, an applicant must certify that he or she has adequate financial support to cover at least the first year of the entire period of time that the student would be at Murray State. Each international applicant must submit official or certified copies of all previous academic records. **A student who withholds or gives false information or documents can be denied admission and/or withdrawn from school.** Because of mail turnaround time and the extra time needed to evaluate international educational records, students are strongly urged to apply at least six months in advance.

English as a Second Language Program Admission. Undergraduate students who have not taken the TOEFL or IELTS or who have a score below the admission standard of the undergraduate program for which they wish to apply may apply for conditional admission through the English as a Second Language (ESL) program. The ESL program offers students six levels of English language instruction to prepare them for university study.

A student who enters the ESL program is tested and placed into the appropriate level of language study, ranging from level one (beginner) to level six (high advanced). Each level of study consists of an eight-week course in nine different skill and knowledge areas which include the following: applied grammar, computer-assisted composition, error analysis, oral skills workshop, university orientation for new students, listening comprehension, conversation, speech development, academic reading, and TOEFL preparation. In total, students take 20 hours of classes per week over an eight-week term. A student who begins the ESL program at level one should expect to study English for six terms (three semesters).

The language courses are supplemented by activities outside of class, including the ESL Conversation Partners Program, intended to assist students in learning English and in adapting to American university life.

In order to advance through and complete all levels of language study in the ESL program, students must maintain the ESL program's academic standards, which include satisfactory grades in ESL courses, appropriate exit proficiencies, and mandatory attendance.

Upon successful completion of the ESL Program and the recommendation of the ESL program director, undergraduate students may enroll in full-time university course work if all other admission requirements have been met.

For more information on the ESL program and fees, students may contact the ESL Program at msu.esl@murraystate.edu, call (270) 809-3265, or visit the Murray State's website at www.murraystate.edu/esl. The mailing address is ESL Program, Institute for International Studies, Murray State University, 6020 Faculty Hall, Murray KY 42071-3304, USA.

Undergraduate Admission Status Based on Language Proficiency Requirements

Test	Fully Admitted Without Condition	Fully Admitted With Condition	Fully Admitted With ESL Condition (1)
Paper-Based TOEFL	527 or more	500-525	497 or below
Internet-based TOEFL (iBT)	71 minimum on Academic Test	61-70 on Academic Test	60 or less on Academic Test
IELTS	6.0 minimum on Academic Test	5.5 on Academic Test	5.0 or below on Academic Test
			No TOEFL or IELTS scores
GTEC	1190 overall score or higher	1100-1189 overall score	
PTE	51 overall score or higher	45-50 overall score	
Duolingo English Test	100 overall score or higher	90-95 overall score	
TOEIC	790 overall score or higher and 160 or higher speaking	700-785 overall score and 140-150 speaking	
Kaplan English Certificate	Advanced Level	Higher Intermediate Level	

(1) ESL - English as a Second Language Program

Language proficiency scores are waived for the following conditions:
• Minimum SAT score of 910 with a minimum of 450 on Reading section OR
• Completion of the ESL Program at Murray State University OR
• Degree from a secondary school located in a country where English is the native language OR
• British/Cambridge International Examinations: GCE, GCSE, IGCSE, AICE, or the HIGCSE certificate with five O-Level subject passes. In addition, a B2 level will also be accepted to waive language proficiency requirements OR
• Completion of one semester of full-time university-level classes (minimum of 12 credit hours) with a 2.5 GPA or higher at an accredited US institution OR
• Students from the following countries are not required to submit English proficiency scores: Antigua, Australia, Bahamas, Belize, British Islands, Cameroon (University of Buea and University of Bamenda), Canada, Ghana, Ireland, Kenya, Namibia, New Zealand, Nigeria, and United Kingdom.

Financial Information

Student Financial Services

(270) 809-4227 or 1-800-272-4678 ext. 5

msu.bursar@murraystate.edu

Costs

A student who is classified as a graduate or doctoral student will be assessed graduate or doctoral fees for all courses, regardless of course level. All fees, including applicable room and board, must be paid by noon on the due date shown on the semester billing statement (see *Fee Payment* section below). Students who do not make payment of required fees are not registered students. All fees imposed by the university are subject to change without notice by action of the Murray State University Board of Regents.

All accounts owed by a student to the university must be paid in full before the student is entitled to receive a degree, a transcript, a record of grades, schedule classes for preregistration, or to enroll in classes.

Tuition and Registration Fees

Refer to *Tuition and Costs* on the Murray State University website: www.murraystate.edu/admissions/bursarsoffice.

Fee Payment

Payments are due by noon on the due date shown on the semester billing statement. Payments can be made online using an electronic check from a checking or savings account, debit card, or credit card through Pay-Path®. There is a 2.85% or minimum $3 charge if making payment by credit card. Other payment methods do not have an additional charge and include checks, money orders, and cashier’s checks. Other payments may be mailed to the Cashier’s Office, 200 Sparks Hall, Murray, KY 42071.

Payment options. Payment arrangements with appropriate payment must be made with the Bursar's Office when parents and/or students are unable to make payment in full from personal funds by noon on the due date shown on the semester billing statement. Accounts with a balance of $200 or less are due in full.

Acceptable payment arrangements consist of the following:
• Payment of all fees in full by noon on the due date as published by MSU each semester and as posted on students' *myGate* accounts. Credit cards, debit cards and checks are acceptable.
• Enrollment in the Murray State University Payment Plan (MSUPP) with appropriate payment. Note: There is a $30 fee to enroll in the payment plan. Students will enroll in the payment plan via their *myGate* account. Acceptable third-party agencies are foreign embassies, vocational rehabilitation, Kentucky state agencies, Veterans Affairs, Department of Labor, Fort Campbell, TAA, WIA, and company direct billing.

Payment must be credited to the student's account in order to be officially enrolled at MSU and have access to Canvas.

Late registration fee. The late registration period begins approximately 14 calendar days prior to the first day of classes. (See the official university calendar under Racer Tools at www.murraystate.edu or at www.murraystate.edu/admissions/bursarsoffice for exact dates.) All current or returning students registering for the semester for the first time during the late registration period will be assessed a late registration fee. Failure to make payment by the published due dates will cause the student's class schedule to be dropped (purged) from the computer system. **Students who elect to reschedule after their original schedules have been officially purged will be assessed a late registration fee.**

Schedule change fee. Schedule changes made after the published deadline date to do so may be subject to a $50 schedule change fee. Please review the Academic Calendar for published add and drop dates, www.murraystate.edu/calendars/academicscalendar.

Housing
All freshmen and sophomores who have not reached their 21st birthday prior to the first day of registration as it appears in the university academic calendar will be required to live in university housing and to purchase one of the available university food services meal plans.

Exempted from this requirement are students who are veterans of at least two years of active military service; students who daily commute from the permanent, legal residence of their parents or legal guardian (within a 50-mile radius); students who are married and living with their spouse; students who have resided in a university residential college four semesters, excluding summer terms; non-regional tuition students who have obtained junior status (sixty hours earned); regional tuition

students who have obtained senior status (ninety hours earned); and students who have been enrolled full time at a postsecondary institution for four semesters, excluding summers.

Freshmen, sophomores, and juniors whose legal residence is in one of the regional tuition counties of Alabama, Arkansas, Illinois, Indiana, Missouri, Ohio, and Tennessee and who accept the regional tuition discount are also required to live in university housing.

For complete housing regulations, rules, discounts, and miscellaneous information refer to the *Residence Life* section of the *Student Life Handbook* or contact the Housing Office, (270) 809-2310, 809-3811, or 877-551-7774 or online at www.murraystate.edu/campus/housing.

Meal Plans

Freshman and sophomore students living in the residential colleges must participate in a meal plan program. All meal plans include Flex dollars that can be used in any dining location and are non-taxable thereby saving customers 6% at most locations.

For a listing and description of available meal plans, visit the Dining Services at: www.murraystate.edu/dining.

Racer ID

Students enrolled at Murray State are entitled to admission to athletic events, Murray Civic Music Association performances, and certain activities sponsored by the University Center Board by presenting their MSU RacerCard Identification (ID card).

The Murray State University RacerCard fee is assessed once to all students enrolled in main campus courses. Students enrolled in off-campus or online-only courses are not assessed an ID fee unless specifically requested by the student. Scheduling courses and payment for all financial obligations are necessary for appropriate ID activation each semester.

Other General Fee and Payment Information

All of the fees and charges in this *Bulletin* are subject to change without notice. The Bursar’s Office, located on the fifth floor of Sparks Hall, is responsible for the interpretation and application of the university’s policies related to fees and refunds. Any questions related to these should be directed to this office.

If a satisfactory determination or explanation of a specific fee or refund cannot be obtained after discussion with the Bursar’s Office personnel, a written appeal should be made to the vice president for administrative services. Appeals should include as much detail as possible to allow for adequate and speedy review.

Refunds
Refunds will be made in accordance with the university's official *Schedule of Fees*, refer to *Proration of Charges* on the Murray State website: www.murraystate.edu/admissions/bursarsoffice. Any questions concerning refunds should be directed to the Bursar's Office. **Students are encouraged to sign up for direct deposit via *myGate*.**

Withdrawal. A student who completes official withdrawal via their *myGate* account or is dismissed will receive a refund of tuition, fees, room and board in accordance with the official *Schedule of Fees*. Students residing in Murray State University residence halls will receive refunds only in the event of withdrawal from school, dismissal or marriage.

Federal Return of Title IV Funds Policy. This policy applies to all students receiving federal loans or grants. For complete information concerning this policy refer to the University Bursar's Office web page under *Proration of Charges*.

Dropping Classes. A student who drops through *myGate* may receive a refund of tuition and/or course fee if the student (1) drops below full-time, (2) is part-time and drops a class(es), or (3) is full-time and drops a class with refundable course fee. A student who drops a meal plan will receive a refund. Both types of refunds will be in accordance with the dates given in the official *Schedule of Fees*. See the previous paragraph regarding withdrawing from all courses. Students should verify all changes through his or her *myGate* account.

Appeals Process. Students who wish to appeal their refund amount must do so in writing to Refunds Appeals Committee, Bursar's Office, 1st Floor Sparks Hall.

Returned Check Policy

All checks returned by the bank as unpaid for any reason will carry a penalty of $20 per check. Any account for tuition, fees, room and board paid by a check which is returned by the bank will be considered not paid. Students who do not clear all returned checks within ten working days may be administratively withdrawn for nonpayment of required fees and/or be subjected to the appropriate legal action. Students who have had five or more returned checks will lose check-writing privileges on campus.

SREB Academic Common Market
The Academic Common Market is a cooperative tuition-reduction agreement among 14 Southern Regional Education Board states. If the public institutions in one of the states does not offer degree programs in a certain field of study, it may be possible to arrange a waiver of out-of-state tuition to attend a cooperating public institution of higher education in another participating state. Periodic changes are made in the inventory of programs available. Participating states are Alabama, Arkansas, Delaware, Florida (graduate programs only), Georgia, Kentucky, Louisiana, Maryland, Mississippi, Oklahoma, South Carolina, Tennessee, Texas (graduate programs), Virginia and West

Virginia.

Write directly to the college or university for admission information. Once you have been accepted into a program and can prove you are a legal resident of Kentucky, contact the Kentucky Academic Common Market coordinator at the Council on Postsecondary Education, 1024 Capital Center Drive, Suite 320, Frankfort KY 40601, 502-573-1555 to certify your eligibility.

Reciprocity Tuition Discount
Students from the Tennessee counties of Henry, Stewart, Weakly, and Obion counties will be assessed non-resident tuition. A tuition discount will be credited for the difference between Murray State University's non-resident tuition and in-state tuition. **Note:** This will result in the student paying the same as in-state tuition.

Regional Tuition Discount
Students from Montgomery County in Tennessee and students from Massac County in Illinois, or Posey, Vanderburgh or Warrick Counties in Indiana will be assessed non-resident tuition. A tuition discount will be credited for the difference between Murray State University’s non-resident tuition and in-state tuition. Regional Tuition Discount for students admitted or re-admitted (after a one-year absence):
•Other than residents from the Illinois, Indiana and Tennessee counties referred to above, residents of Alabama, Arkansas (admitted for Fall 2016 or after), Illinois, Indiana, Missouri, Ohio (admitted for Fall 2011-Summer 2014), and Tennessee will be charged non-resident tuition. A tuition discount will be credited for the difference between Murray State University’s non-resident tuition and an average in-state rate, based on colleges from the student’s state of residency on record with Admissions Services.
•In order to receive the Regional Tuition Discount, freshman, sophomore, and junior undergraduate students must be eligible for admission, enroll full-time, and pay for university housing. Graduate students will not be required to be full-time nor pay for university housing.
•Summer Regional Tuition Rates for all students will be based on their state’s respective residency rates.

Senior Citizen’s Tuition Waiver
(Donovan Scholarship)
Murray State University in accordance with KRS 164.284, will waive tuition charges and fees (except for application fees, special workshops and noncredit continuing education courses) for any person sixty-five (65) years of age or older who is a resident of Kentucky. The individual must be 65 before the late registration dates for the term in which he or she wishes to enroll. Special **course fees** or necessary materials for class use are not covered in the waiver.

In the event that classes are full or the granting of free tuition requires additional staff or course sections, the university may deny an individual’s request.

War Orphans and Spouse/Children of Disabled American Veterans Waivers
Murray State University in accordance with KRS 164.505 and 164.515 will waive tuition (except for special workshops and noncredit continuing education courses) for a dependent, widow or widower of servicemen or national guardsmen killed while in service or having died as a result of a service-connected disability and the spouse or child of permanently disabled national guardsmen, war veterans, prisoners of war, or servicemen missing in action upon receipt of the required certification or other documents satisfactory to the university. For additional information contact Veterans' Affairs, in the Office of Student Affairs in Wells Hall.

Other State-Mandated Waivers
For information concerning other state-mandated waivers, contact msu.bursar@murraystate.edu or (270) 809-4227.

Financial Assistance
Murray State University offers a wide variety of financial aid for deserving students. This aid is designed to assist students in financing their education, to recognize scholastic achievement, to encourage continued educational growth and to reward service to the university and community.

In all cases, the student and/or the student's family or spouse are expected to contribute to the costs of education in proportion to their total financial capabilities.

If the student and his/her parents or spouse will commit all possible resources, the Financial Aid Office will make every effort to bridge the economic gap by a financial aid package. That package may consist of one or more of the following types of aid:
• College Access Program Grant (CAP)
• Federal Pell Grant
• Federal PLUS (Parent) Loan
• Federal Subsidized Direct Loan
• Federal Unsubsidized Direct Loan
• Federal Supplemental Educational Opportunity Grant
• Federal Work-Study (part-time employment)
• Kentucky Educational Excellence Scholarship (KEES)
• KHEAA Scholarships
• Nursing Student Loan
• Scholarship
• TEACH Grant
• University Student Employment (part-time employment)

A student should begin by completing the **Free Application for Federal Student Aid (FAFSA)** at fafsa.gov. Application forms and information concerning loans, grants, student employment, and scholarships may be obtained from the Financial Aid Office, 500 Sparks Hall or from
www.murraystate.edu/students/undergraduate/payingforcollege/fas/financialaid/financiala

Financial Aid Satisfactory Academic Progress (SAP)
This policy applies to all students even if you are not receiving financial aid for the period currently being monitored.
The Department of Education and the Commonwealth of Kentucky each require you to meet Satisfactory Academic Progress (SAP) requirements in order to maintain eligibility for federal and state loans and grants. Failure to meet the standards as discussed below could lead to loss of eligibility for both federal and state financial assistance.

Students who are not meeting the Financial Aid Policy will be notified via Murray State University email and can review their status in the Financial Aid tab within their *myGate* account.

How SAP is Determined
Qualitative and Quantitative requirements for SAP include:
• A minimum cumulative grade point average (GPA) (earned at Murray State University and all transferred credits)
• A maximum amount of time allowed to complete all degree requirements
• A minimum percentage of completed hours earned

Qualitative Standard - Minimum GPA
The minimum cumulative GPA requirements for Murray State University (as shown in the chart below) are determined by the number of credit hours you have attempted. Once the academic probationary period leads to academic suspension, you will also be suspended for financial aid.

GPA Hours Attempted	Cumulative GPA
1 - 32	1.50
33 - 64	1.70
65 - 79	1.90
80 or more	2.00

Quantitative Standard - Maximum Timeframe
The longest time you can take to complete your degree is 1½ times the length of the published program length as shown below:

Degree Type	Published Program Length (Hours)	Maximum Attempted Hours
Associate	60	90
Baccalaureate	120	180
Post-Baccalaureate seeking		
an Associate(1)	180	270
a Baccalaureate(1)	240	360
Graduate/Master's	36	54
Doctoral	79	119

(1) These hours reflect first baccalaureate attempted hours.

Completion Rate
You must earn a minimum of 67% of the total number of hours you have attempted during your respective undergraduate and/or graduate career. To determine if you are meeting this requirement, multiply the total cumulative hours you have attempted times .67 (.665 or above will be rounded up to .67.)
Example:
95 cumulative hours x .67 = requirement of 64 hours earned

Actions impacting course completion when calculating attempted and earned hours:

Action	Counts Toward Attempted	Counts Toward Earned
Audited, Withdrawn or Incomplete course	Yes	No
Transfer or Remedial course	Yes	Yes
Repeat or Non-degree related course	Yes	Yes(1)

(1) Only the last time attempted

Semester Withdrawal
More than two (2) official academic and/or administrative withdrawals from a semester while attending Murray State University will prevent you from meeting SAP.

Additional Information
• Complete requirements remain the same if major is changed.
• Financial Aid reviews SAP at the end of each spring semester and covers the preceding summer, fall, and spring terms.
• Financial Aid SAP requirements are not the same as the Academic Suspension rules – each requires a separate appeal process. Refer to the *Registration and Academic Records* chapter or the Office of the Registrar website for the Academic Suspension Appeal Policy.
• You may review your SAP status in the Financial Aid tab within your *myGate* account.

Impact of Not Meeting SAP

Failure to meet any of the SAP requirements will result in a Financial Aid Suspension and make you ineligible to receive any additional federal or state financial aid.

Official notice of suspension will be sent to you via your Murray State University email address.

What to Do if You are Suspended
If you receive a financial aid suspension, you may want to consider filing an appeal if you believe you have mitigating circumstances.

All appeals must be received within 30 days of the start of the semester for which you are appealing. Appeals received after this time frame will be administratively denied for that semester. However, you can request to have the appeal filed for the following semester.

To initiate a Financial Aid SAP appeal, you must complete a SAP Financial Aid Appeal form and provide supporting documentation as outlined below. The form may be obtained in the Financial Aid tab from within your *myGate* account.

Appeals may fall into one of the following categories and appropriate supporting documentation must be provided:

Medical
• Broken bone
• Cancer
• Catastrophic health or mental illness
Documentation Needed
-Official documentation from medical provider reflecting confirmed diagnosis and dates of illness or injury.
-If this is a recurring illness or other health issue, provide a statement explaining what has changed to enable you to perform better
going forward.
-Additional documentation if there is a change in medication for a recurring illness that addresses your ability to improve performance.

Severe Personal or Family Problems
• Death of immediate family member (parent/guardian, sibling, child, spouse)
• Divorce
• Accident
• Incarceration
Documentation Needed
-Death certificate or copy of obituary and documentation reflecting family connection.
-Divorce decree or letter confirming separation from an objective third party

(representative of the court, pastor, counselor, social worker, etc.).
-Copy of police report.
-If accident resulting in injury, official documentation from medical provider reflecting confirmed diagnosis and dates of illness or injury.
-Court documentation reflecting period of incarceration for self or immediate family member and documentation reflecting family connection.
-If court documentation is unavailable, must provide other documentation substantiating arrest and/or period of incarceration.

Academically Related
• Seeking additional degree
• Change of major
Documentation Needed
-Completed SAP Academic Plan form signed by academic advisor.

Extenuating Circumstances
• Work conflict
• Military obligations
Documentation Needed
-Written statement explaining what has changed to enable you to perform better going forward.
-Other supporting documentation depending on the situation.
NOTE: Additional supporting documentation may be requested after initial review.

Next Steps
Once a completed appeal and all supporting documentation is received by the Office of Financial Aid, a review of your individual circumstance will be conducted and a determination will be made.
Decisions will fall into one of four potential categories.
1) Approved without Academic Plan
2) Approved with Academic Plan
3) Denied
4) Administratively Denied
Decisions will be communicated to you via your Murray State University email. All decisions are final.

If your appeal is approved, you will be placed on probation for a minimum of one (1) semester or for the length of the academic plan. At the end of the probationary term, you must meet all requirements of the Satisfactory Academic Progress Policy.

If your appeal is denied, you may continue enrollment without financial aid assistance and attempt to meet all requirements and regain eligibility. If you have met the requirements or significantly improved performance, you may file a new appeal with the Financial Aid Office.

Depending on your credit, third party loans may be available to cover the cost of your tuition if you have been prohibited from receiving further federal and state aid. Visit http://www.murraystate.edu/fastchoice for more information.

General Information

If you do not meet SAP requirements, to allow consideration for financial aid in future terms, you must still complete the Free Application for Federal Student Aid (FAFSA) in a timely manner.

The Admissions, Academic Standing, Bursar, and Housing appeals are separate application processes. Decisions of these appeals are independent of each other.

If you have additional questions, please contact the Financial Aid office at 500 Sparks Hall, (270) 809-2546 or 800-272-4678 option 3, or msu.sfa@murraystate.edu.

Student Employment

Murray State University offers part-time employment to a large number of students each year. The Federal Work-Study Program provides on-campus employment to eligible students who are enrolled in at least one (1) credit hour and who show a need for the earnings. The University Student Employment Program offers jobs to students enrolled in at least one (1) credit hour who do not qualify for the federal program. All student employees are paid biweekly and are required to perform their assigned duties in a satisfactory manner.

Scholarships

Scholarship Application Deadline - February 1
Non-Traditional Student Specific Deadline - June 1

Murray State University awards a number of scholarships each year to qualified students. Scholarships are supported by the Alumni Association, the Murray State University Foundation, and academic departments. Information on scholarships is available online at www.murraystate.edu/scholarships or in-person through the Scholarship Office located in Sparks Hall.

Students use one application that is updated each year. Qualifications and restrictions are listed, along with the names and requirements of all scholarships. In some areas, talent and proficiency are considered as well as academic information.

Generally, scholarships are offered on the basis of scholastic achievement, standardized testing scores (new freshmen only), character, leadership, and the promise of continued educational growth. In some cases, financial need is considered.

Scholarship applications can be accessed through *myGate* from the Financial Aid section beginning September 1, each year and must be submitted by the deadline of February 1. Awards are made for academic years and may be adjusted due to other aid students receive from federal, state, or external organizations. Policies for awarding,

adjusting, and renewing scholarships can be accessed online at www.murraystate.edu/scholarships.

Questions may be directed to the Scholarship Office at 800-272-4678, ext. 4, or (270) 809-3225.

Graduate Assistantships

Graduate teaching and research assistantships are available in most departments for highly qualified graduate students. Graduate assistants are expected to familiarize themselves with university policies and to fulfill their professional responsibilities to the university. An applicant for a graduate assistantship must be admitted to a graduate program as a degree-seeking student and enrolled in graduate courses during the semester of employment.

To be eligible for a graduate assistantship, students must have earned a cumulative GPA of at least 3.00, and be enrolled in a minimum of six graduate credit hours at Murray State. Full-time status for all graduate students is enrollment in a minimum of nine semester hours. To maximize academic success, graduate assistants may not carry a course load exceeding 13 hours. No overload requests will be approved for graduate assistants. Graduate students in their final semester of coursework may petition (in writing) the University Graduate Coordinator to qualify for an assistantship while enrolled in fewer than six graduate hours. During the summer, students on an assistantship must be enrolled for a minimum of three hours of coursework.

Normally, assistantships are awarded to an individual student for a maximum of four semesters (excluding summers). Students may petition the associate provost for graduate education and research for up to two additional semesters. Stipends for assistantships may vary between departments.

Applications for assistantships should be filed with the chair of the department of the student’s major field of interest. Contact the academic department for information regarding deadlines and the application process.

Residency Reclassification

A student who wishes to request a review of residency classification should review the policy on Residency for Tuition Purposes found at www.murraystate.edu/residency. The affidavit should be completed, signed, and notarized. All supporting statements and documents must be attached. Insufficient information may delay the request indefinitely. The student should then present the affidavit to the Office of the Registrar, first floor, Sparks Hall, no later than 30 calendar days after the first day of classes of the semester for which the appeal is being made. Students applying during or after registration must pay fees as originally assessed.

The registrar will act upon the request within 14 calendar days. Questions concerning

eligibility or the status of a request should be directed to the Registrar at (270) 809-3759 or emailed to msu.registrar@murraystate.edu. A student whose request was denied by the Registrar will have 14 calendar days from the receipt of the denial letter, as determined by the postal notification of receipt of certified mail, to formally appeal the decision. Appeals should be addressed to the Bursar's Office, 200 Sparks Hall, Murray KY 42071-3312. The appeal should include a letter and any additional supporting documentation. Students whose requests were approved by the registrar or by the residency review committee will be reported to the bursar so that fee adjustments or refunds can be processed accordingly.

A copy of the complete operational policy on classification of residency for fee assessment purposes is available at www.murraystate.edu/residency or in the Office of the Registrar, first floor of Sparks Hall.

Residency Fee Policy

As a part of the state-supported system of higher education in Kentucky, Murray State University is governed by the following statewide policy (approved January 14, 1991). For additional information and a copy of the affidavit for a review of residency status, write Office of the Registrar, Murray State University, 113 Sparks Hall, Murray KY 42071-3312, call (270) 809-5630 or visit www.murraystate.edu/registrar.

13 KAR 2:045. Determination of residency status for admission and tuition assessment purposes.

RELATES TO: KRS 13B, 164.020, 164.030, 164A.330(6) 38 U.S.C 3301-3325 (As amended at ARRS, June 9, 2015) STATUTORY AUTHORITY: KRS 164.020(8) NECESSITY, FUNCTION, AND CONFORMITY: KRS 164.020(8) requires the Council on Postsecondary Education to determine tuition and approve the minimum qualifications for admission to a state-supported postsecondary education institution and authorizes the Council to set different tuition amounts for residents of Kentucky and for nonresidents. This administrative regulation establishes the procedure and guidelines for determining the residency status of a student who is seeking admission to, or who is enrolled at, a state-supported postsecondary education institution.

Section 1. Definitions.

(1) "Academic term" means a division of the school year during which a course of studies is offered, and includes a semester, quarter, or single consolidated summer term as defined by the institution.
(2) "Continuous enrollment" means enrollment in a state-supported postsecondary education institution at the same degree level for consecutive terms, excluding summer term, since the beginning of the period for which continuous enrollment is claimed unless a sequence of continuous enrollment is broken due to extenuating circumstances beyond the student's control, such as serious personal illness or injury, or illness or death of a parent.
(3) "Degree level" means enrollment in a course or program which could result in the award of a:
(a) Certificate, diploma or other program award at an institution;

(b) Baccalaureate degree or lower including enrollment in a course by a nondegree-seeking postbaccalaureate student;
(c) Graduate degree or graduate certification other than a first-professional degree in law, medicine, dentistry or “Pharm. D”; or
(d) Professional degree in law, medicine, dentistry, or “Pharm. D".
(4) “Dependent person” means a person who cannot demonstrate financial independence from parents or persons other than a spouse and who does not meet the criteria for independence established in Section 5 of this administrative regulation.
(5) “Determination of residency status” means the decision of a postsecondary education institution that results in the classification of a person as a Kentucky resident or as a nonresident for admission and tuition assessment purposes.
(6) “Domicile” means a person’s true, fixed, and permanent home and is the place where the person intends to remain indefinitely, and to which the person expects to return if absent without intending to establish a new domicile elsewhere.
(7) “Full-time employment” means continuous employment for at least forty-eight (48) weeks at an average of at least thirty (30) hours per week.
(8) “Independent person” means a person who demonstrates financial independence from parents or persons other than a spouse and who meets the criteria for independence established in Section 5 of this administrative regulation.
(9) “Institution” means an entity defined in KRS 164.001(12) if the type of institution is not expressly stated and includes the Kentucky Virtual University, the Council on Postsecondary Education, and the Kentucky Higher Education Assistance Authority.
(10) “Kentucky resident” means a person determined by an institution for tuition purposes to be domiciled in and is a resident of Kentucky as determined by this administrative regulation.
(11) “Nonresident” means a person who is (a) domiciled outside of Kentucky (b) currently maintains legal residence outside Kentucky, or (c) is not a Kentucky resident as determined by this administrative regulation.
(12) “Parent” means one (1) of the following:
(a) A person’s father or mother; or
(b) A court-appointed legal guardian if:
1. The guardianship is recognized by an appropriate court within the United States;
2. There was a relinquishment of the rights of the parents; and
3. The guardianship was not established primarily to confer Kentucky residency on the person.
(13) “Preponderance of the evidence” means the greater weight of evidence, or evidence which is more credible and convincing to the mind.
(14) “Residence” means the place of abode of a person and the place where the person is physically present most of the time for a noneducational purpose in accordance with Section 3 of this administrative regulation.
(15) “Student financial aid” means all forms of payments to a student if one (1) condition of receiving the payment is the enrollment of the student at an institution, and includes student employment by the institution or a graduate assistantship.
(16) “Sustenance” means
(a) Living expenses, such as room, board, maintenance, and transportation; and
(b) Educational expenses, such as tuition, fees, books, and supplies.

Section 2. Scope.

(1) State-supported postsecondary education institutions were established and are

maintained by the Commonwealth of Kentucky primarily for the benefit of qualified residents of Kentucky. The substantial commitment of public resources to postsecondary education is predicated on the proposition that the state benefits significantly from the existence of an educated citizenry. As a matter of policy, access to postsecondary education shall be provided so far as feasible at reasonable cost to a qualified individual who is domiciled in Kentucky and who is a resident of Kentucky.
(2) In accordance with the duties established in KRS 164.020, the Council on Postsecondary Education may require a student who is neither domiciled in nor a resident of Kentucky to meet higher admission standards and to pay a higher level of tuition than resident students.
(3) Unless otherwise indicated, this administrative regulation shall apply to all student residency determinations, regardless of circumstances, including residency determinations made by:
(a) The state-supported institutions for prospective and currently-enrolled students;
(b) The Southern Regional Education Board for contract spaces;
(c) Reciprocity agreements, if appropriate;
(d) The Kentucky Virtual University;
(e) Academic common market programs;
(f) The Kentucky Educational Excellence Scholarship Program; and
(g) Other state student financial aid programs, as appropriate.

Section 3. Determination of Residency Status; General Rules.
(1) A determination of residency shall include:
(a) An initial determination of residency status by an institution:
1. During the admission process;
2. Upon enrollment in an institution for a specific academic term; or
3. For admission into a specific academic program;
(b) A reconsideration of a determination of residency status by an institution based upon a changed circumstance; or
(c) A formal hearing conducted by an institution upon request of a student after other administrative procedures have been completed.
(2) An initial determination of residency status shall be based upon:
(a) The facts in existence when the credentials established by an institution for admission for a specific academic term have been received and during the period of review by the institution;
(b) Information derived from admissions materials;
(c) If applicable, other materials required by an institution and consistent with this administrative regulation; and
(d) Other information available to the institution from any source.
(3) An individual seeking a determination of Kentucky residency status shall demonstrate that status by a preponderance of the evidence.
(4) A determination of residency status shall be based upon verifiable circumstances or actions.
(5) Evidence and information cited as the basis for Kentucky domicile and residency shall accompany the application for a determination of residency status.
(6) A student classified as a nonresident shall retain that status until the student is officially reclassified by an institution.
(7) A student may apply for a review of a determination of residency status once for each academic term.
(8) If an institution has information that a student’s residency status may be incorrect,

the institution shall review and determine the student's correct residency status.
(9) If the Council on Postsecondary Education has information that an institution's determination of residency status for a student may be incorrect, it may require the institution to review the circumstances and report the results of that review.
(10) An institution shall impose a penalty or sanction against a student who gives incorrect or misleading information to an institutional official, including payment of nonresident tuition for each academic term for which resident tuition was assessed based on an improper determination of residency status. The penalty may also include:
(a) Student discipline by the institution through a policy written and disseminated to students; or
(b) Criminal prosecution.

Section 4. Presumptions Regarding Residency Status.

(1) In making a determination of residency status, it shall be presumed that a person is a nonresident if:
(a) A person is, or seeks to be, an undergraduate student and admissions records show the student to be a graduate of an out-of-state high school within five (5) years prior to a request for a determination of residency status;
(b) A person's admissions records indicate the student's residence to be outside of Kentucky when the student applied for admission;
(c) A person moves to Kentucky primarily for the purpose of enrollment in an institution;
(d) A person moves to Kentucky and within twelve (12) months enrolls at an institution more than half time; or
(e) A person has a continuous absence of one (1) year from Kentucky.
(f) A person attended an out-of-state higher education institution during the past academic year and paid in-state tuition at that institution.
(2) A presumption arising from subsection 1 of this section shall only be overcome by a preponderance of evidence sufficient to demonstrate that a person is domiciled in and is a resident of Kentucky.

Section 5. Determination of Whether a Student is Dependent or Independent.

(1) In a determination of residency status, an institution shall first determine whether a student is dependent or independent. This provision shall be predicated on the assumption that a dependent person lacks the financial ability to live independently of the person upon whom the student is dependent, and therefore, lacks the ability to form the requisite intent to establish domicile. A determination that a student is independent shall be one (1) step in the overall determination of whether a student is or is not a resident of Kentucky.
(2) In determining the dependent or independent status of a person, the following information shall be considered as well as other relevant information available when the determination is made:
(a) 1. Whether the person has been claimed as a dependent on the federal or state tax returns of a parent or other person for the year preceding the date of application for a determination of residency status; or 2. Whether the person is no longer claimed by a parent or other person as a dependent or as an exemption for federal and state tax purposes; and
(b) Whether the person has financial earnings and resources independent of a person

other than an independent spouse necessary to provide for the person's own sustenance.
(3) An individual who enrolls at an institution immediately following graduation from high school and remains enrolled shall be presumed to be a dependent person unless the contrary is evident from the information submitted.
(4) Domicile may be inferred from the student's permanent address, parent's mailing address, or location of high school of graduation.
(5) Marriage to an independent person domiciled in and who is a resident of Kentucky shall be a factor considered by an institution in determining whether a student is dependent or independent.
(6) Financial assistance from or a loan made by a parent or family member other than an independent spouse, if used for sustenance of the student:
(a) Shall not be considered in establishing a student as independent; and
(b) Shall be a factor in establishing that a student is dependent.

Section 6. Effect of a Determination of Dependent Status on a Determination of Residency Status.

(1) The effect of a determination that a person is dependent shall be:
(a) The domicile and residency of a dependent person shall be the same as either parent. The domicile and residency of the parent shall be determined in the same manner as the domicile and residency of an independent person; and
(b) The domicile and residency of a dependent person whose parents are divorced, separated, or otherwise living apart shall be Kentucky if either parent is domiciled in and is a resident of Kentucky regardless of which parent has legal custody or is entitled to claim that person as a dependent pursuant to federal or Kentucky income tax provisions.
(2) If the parent or parents of a dependent person are Kentucky residents and are domiciled in Kentucky but subsequently move from the state:

(a) The dependent person shall be considered a resident of Kentucky while in continuous enrollment at the degree level in which currently enrolled; and
(b) The dependent person's residency status shall be reassumed if continuous enrollment is broken or the current degree level is completed.

Section 7. Member or Former Member of Armed Forces of the United States, Spouse and Dependents; Effect on a Determination of Residency Status.

(1) A member, spouse, or dependent of a member whose domicile and residency was Kentucky when inducted into the Armed Forces of the United States, and who maintains Kentucky as home of record and permanent address, shall be entitled to Kentucky residency status:
(a) During the member's time of active service; or
(b) If the member returns to this state within six (6) months of the date of the member's discharge from active duty.
(2)(a) A member of the armed services on active duty for more than thirty (30) days and who has a permanent duty station in Kentucky shall be classified as a Kentucky resident and shall be entitled to in-state tuition as shall the spouse or a dependent child of the member.
(b) A member, spouse, or dependent of a member shall not lose Kentucky residency

status if the member is transferred on military orders while the member, spouse, or dependent requesting the status is in continuous enrollment at the degree level in which currently enrolled.
(3) Membership in the National Guard or civilian employment at a military base alone shall not qualify a person for Kentucky residency status under the provisions of subsections (1) and (2) of this section. If a member of the Kentucky National Guard is on active duty status for a period of not less than thirty (30) days, the member shall be considered a Kentucky resident, as shall the spouse or a dependent child of the member.
(4) A person eligible for benefits under the federal Post-9/11 Veterans Educational Assistance Act of 2008, 38 U.S.C. 3301-3325, or any other educational benefits provided under Title 38 of the United States Code shall be entitled to Kentucky resident status for purposes of tuition charged at state-supported institutions.
(5) A person's residency status established pursuant to this section shall be reassessed if the qualifying condition is terminated.

Section 8. Status of Nonresident Aliens; Visas and Immigration.

(1)(a) A person holding a permanent residency visa or classified as a political refugee shall establish domicile and residency in the same manner as another person.
(b) Time spent in Kentucky and progress made in fulfilling the conditions of domicile and residency prior to obtaining permanent residency status shall be considered in establishing Kentucky domicile and residency.
(2) A person holding a nonimmigrant visa with designation A, E, G, H-1, H-4 if accompanying a person with an H-1 visa, I, K, L, N, R, shall establish domicile and residency the same as another person.
(3)(a) An independent person holding a nonimmigrant visa with designation B, C, D, F, H-2, H-3, H-4 if accompanying a person with an H-2 or H-3 visa, J, M, O, P, Q, S, TD, or TN shall not be classified as a Kentucky resident, because that person does not have the capacity to remain in Kentucky indefinitely and therefore cannot form the requisite intent necessary to establish domicile as defined in Section 1(6) of this administrative regulation.
(b) A dependent person holding a visa as described in paragraph (a) of this subsection, but who is a dependent of a parent holding a visa as described in subsection (2) of this section, shall be considered as holding the visa of the parent.
(c) A dependent person holding a visa described in subsection (2) of this section or paragraph (a) of this subsection, if a parent is a citizen of the United States and is a resident of and domiciled in Kentucky, shall be a resident of Kentucky for the purposes of this administrative regulation.
(4) A person shall be a Kentucky resident for the purpose of this administrative regulation if the person graduated from a Kentucky high school and:
(a) Is an undocumented alien;
(b) Holds a visa listed in subsections (2) or (3)(a) of this section; or
(c) Is a dependent of a person who holds a visa listed in subsections (2) or (3)(a) of this section.
(5)(a) Except as provided in paragraph (b) of this subsection, a person who has petitioned the federal government to reclassify visa status shall continue to be ineligible until the petition has been granted by the federal government.
(b) A person who has petitioned the federal government to reclassify his or her visa status based on marriage to a Kentucky resident and who can demonstrate that the

petition has been filed and acknowledged by the federal government, may establish Kentucky domicile and residency at that time.

Section 9. Beneficiaries of a Kentucky Educational Savings Plan Trust.

A beneficiary of a Kentucky Educational Savings Plan Trust shall be granted residency status if the beneficiary meets the requirements of KRS 164A.330(6).

Section 10. Criteria Used in a Determination of Residency Status.

(1)(a) A determination of Kentucky domicile and residency shall be based upon verifiable circumstances or actions.
(b) A single fact shall not be paramount, and each situation shall be evaluated to identify those facts essential to the determination of domicile and residency.
(c) A person shall not be determined to be a Kentucky resident by the performance of an act that is incidental to fulfilling an educational purpose or by an act performed as a matter of convenience.
(d) Mere physical presence in Kentucky, including living with a relative or friend, shall not be sufficient evidence of domicile and residency.
(e) A student or prospective student shall respond to all requests for information regarding domicile or residency requested by an institution.
(2) The following facts, although not conclusive, shall have probative value in their entirety and shall be individually weighted, appropriate to the facts and circumstances in each determination of residency:
(a) Acceptance of an offer of full-time employment or transfer to an employer in Kentucky or contiguous area while maintaining residence and domicile in Kentucky;
(b) Continuous physical presence in Kentucky while in a nonstudent status for the twelve (12) months immediately preceding the start of the academic term for which classification of Kentucky residency is sought;
(c)1. Filing a Kentucky resident income tax return for the calendar year preceding the date of application for a change in residency status; or 2. Payment of Kentucky withholding taxes while employed during the calendar year for which a change in classification is sought;
(d) Full-time employment of at least one (1) year while living in Kentucky;
(e) Attendance as a full-time, nonresident student at an out-of-state institution based on a determination by that school that the person is a resident of Kentucky;
(f) Abandonment of a former domicile or residence and establishing domicile and residency in Kentucky with application to or attendance at an institution following and incidental to the change in domicile and residency;
(g) Obtaining licensing or certification for a professional and occupational purpose in Kentucky;
(h) Payment of real property taxes in Kentucky;
(i) Ownership of real property in Kentucky, if the property was used by the student as a residence preceding the date of application for a determination of residency status;
(j) Marriage of an independent student to a person who was domiciled in and a resident of Kentucky prior to the marriage; and
(k) The extent to which a student is dependent on student financial aid in order to provide basic sustenance.
(3) Except as provided in subsection 4 of this section, the following facts, because of the ease and convenience in completing them, shall have limited probative value in a

determination that a person is domiciled in and is a resident of Kentucky:
(a) Kentucky automobile registration;
(b) Kentucky driver's license;
(c) Registration as a Kentucky voter;
(d) Long-term lease of at least twelve (12) consecutive months of non-collegiate housing; and
(e) Continued presence in Kentucky during academic breaks.
(4) The absence of a fact contained in subsection 3 of this section shall have significant probative value in determining that a student is not domiciled in or is not a resident of Kentucky.

Section 11. Effect of a Change in Circumstances on Residency Status.

(1) If a person becomes independent or if the residency status of a parent or parents of a dependent person changes, an institution shall reassess residency either upon a request by the student or a review initiated by the institution.
(2) Upon transfer to a Kentucky institution, a student's residency status shall be assessed by the receiving institution.
(3) A reconsideration of a determination of residency status for a dependent person shall be subject to the provisions for continuous enrollment, if applicable.

Section 12. Student Responsibilities.

(1) A student shall report under the proper residency classification, which includes the following actions:
(a) Raising a question concerning residency classification;
(b) Making application for change of residency classification with the designated office or person at the institution; and
(c) Notifying the designated office or person at the institution immediately upon a change in residency.
(2) If a student fails to notify an institutional official of a change in residency, an institutional official may investigate and evaluate the student's residency status.
(3)(a) If a student fails to provide, by the date specified by the institution, information required by an institution in a determination of residency status, the student shall be notified by the institution that the review has been canceled and that a determination has been made.
(b) Notification shall be made by registered mail, return receipt requested.
(c) Notification shall be made within ten (10) calendar days after the deadline for receipt of materials has passed.
(4)(a) The formal hearing conducted by an institution and the final recommended order shall be a final administrative action with no appeal to the Council on Postsecondary Education.
(b) A formal administrative hearing conducted by the Council on Postsecondary Education for residency determinations related to eligibility for the Academic Common Market and Regional Contract Programs shall be conducted pursuant to the provisions of KRS Chapter 13B and 13 KAR 2:070. The recommended order issued by the President of the Council shall be a final administrative action.
(5) A student shall not be entitled to appeal a determination of residency status if the determination made by an institution is because a student has failed to meet published deadlines for the submission of information as set forth in subsection 3 of this section.

A student may request a review of a determination of residency status in a subsequent academic term.

Section 13. Institutional Responsibilities.

Each institution shall:

(1) Provide for an administrative appeals process that includes a residency appeals officer to consider student appeals of an initial residency determination and which shall include a provision of fourteen (14) days for the student to appeal the residency appeals officer's determination;
(2) Establish a residency review committee to consider appeals of residency determinations by the residency appeals officer. The residency review committee shall make a determination of student residency status and notify the student in writing within forty-five (45) days after receipt of the student appeal;
(3) Establish a formal hearing process as described in Section 14 of this administrative regulation; and
(4) Establish written policies and procedures for administering the responsibilities established in subsections 1, 2, and 3 of this section and that are:
(a) Approved by the institution's governing board;
(b) Made available to all students; and
(c) Filed with the council.

Section 14. Formal Institutional Hearing.

(1) A student who appeals a determination of residency by a residency review committee shall be granted a formal hearing by an institution if the request is made by a student in writing within fourteen (14) calendar days after notification of a determination by a residency review committee.
(2) If a request for a formal hearing is received, an institution shall appoint a hearing officer to conduct a formal hearing. The hearing officer shall:
(a) Be a person not involved in determinations of residency at an institution except for formal hearings; and
(b) Not be an employee in the same organizational unit as the residency appeals officer.
(3) An institution shall have written procedures for the conduct of a formal hearing that have been adopted by the board of trustees or regents, as appropriate, and that provide for:
(a) A hearing officer to make a recommendation on a residency appeal;
(b) Guarantees of due process to a student that include:
1. The right of a student to be represented by legal counsel; and
2. The right of a student to present information and to present testimony and information in support of a claim of Kentucky residency; and
(c) A recommendation to be issued by the hearing officer.
(4) An institution's formal hearing procedures shall be filed with the Council on Postsecondary Education and shall be available to a student requesting a formal hearing.

Section 15. Cost of Formal Hearings.

(1) An institution shall pay the cost for all residency determinations including the cost of a formal hearing.
(2) A student shall pay for the cost of all legal representation in support of the student's claim of residency.
(17 Ky.R. 2557; eff. 4-5-1991; Am. 22 Ky.R. 1656; 1988; eff. 5-16-1996; 23 Ky.R. 3380; 3797; 4099; eff. 6-16-1997; 24 Ky.R. 2136; 2705; 25 Ky.R. 51; eff. 7-13-1998; 25 Ky.R. 2177; 2577; 2827; eff. 6-7-1999; 749; 1238; eff. 11-12-2002; 36 Ky.R. 1083; 1951; 2033-M; eff. 4-2-2010; TAm eff. 11-20-2014; 41 Ky.R. 2108; 42 Ky.R. 9; eff. 7-13-2015; TAm 7-13-2015).

For additional information, write or call the Office of the Registrar, Murray State University, 113 Sparks Hall, Murray KY 42071-3312; (270) 809-5630.

Veterans Affairs
The mission of Murray State's Office of Veteran and Military Student Success is to assist the student veteran with the successful transition from military to university campus life. The Office of Veteran and Military Student Success and the School Certifying Official (SCO) are located at 425 Wells Hall. To contact the SCO, please call (270) 809-3754 or email msu.va@murraystate.edu. VA education benefit-eligible candidates should contact the SCO immediately concerning general procedures and documents required to complete enrollment certification with the VA regional office. This will help ensure prompt payment of education benefits.

The primary means of communication between the Office of Veteran and Military Student Success and students receiving VA education benefits is via MSU Racermail.

Information pertaining to requirements and eligibility of various VA education benefits and chapters of benefits can be found on the U.S. Department of Veterans Affairs GI Bill® website at http://www.benefits.va.gov/gibill/. The US Department of Veterans Affairs and/or the U. Department of Defense determine all eligibility for Veteran education benefits.

A Veteran Student Organization is available to all service members and veterans, as well as a Veterans Lounge located in Room 300 of Alexander Hall. Contact the Office of Veteran and Military Student Success for more information.

Post 9/11 (Chapter 33) Yellow Ribbon Program
Murray State University participates in the U. S. Department of Veterans Affairs Post 9/11, Chap. 33 Yellow Ribbon Program.

If tuition and fee charges exceed the in-state tuition and fee amounts payable under the Post-9/11 GI Bill while the student is enrolled at Murray State University, additional funds may be available through the Yellow Ribbon Program. Institutions of higher learning that enter into a Yellow Ribbon Program Agreement with VA will choose the

amount of funds they will contribute toward tuition and fees. VA will match that amount and issue payment directly to the institution on the student's behalf.

Only veterans, or their designated transferees, entitled to the maximum benefit rate may receive this funding. Active duty service members and their spouses are not eligible for this program. However, some child transferees of active duty service members may be eligible if the service member is qualified at the 100% rate. Therefore the student may be eligible if:

• Service member served an aggregate period of active duty after September 10, 2001 of at least 36 months.
• Service member was honorably discharged from active duty for a service-connected disability and you served 30 continuous days after September 10, 2001.
• Student is a dependent eligible for Transfer of Entitlement under the Post-9/11 GI Bill based on a veterans service under the eligibility criteria listed above.

In-State Tuition

Kentucky Administrative Regulation 13 KAR 2:045 allows eligible Veterans of the U.S. Armed Forces and their dependents to receive in-state tuition rates. Section 7 of this KAR specifically states: "...A person eligible for benefits under the federal Post-9/11 Veterans Educational Assistance Act of 2008 (38 U.S.C. 3301 et seg.) or any other federal law authorizing educational benefits for veterans shall be entitled to Kentucky resident status." For more information concerning this KAR and for verification of eligibility, please contact Murray State's Office of Veteran and Military Student Success at (270) 809-3754, or email at msu.va@murraystate.edu.

Kentucky National Guard State Tuition Assistance

Members of the Kentucky Army and Air National Guard may be eligible to receive tuition assistance (TA) up to in-state tuition for full or part-time study at any Kentucky public college or university while funds are available. In order to be eligible, the student must be an active member of the Kentucky Army or Air National Guard, must maintain all minimum standards, be eligible for all positive personnel actions, and have completed Initial Entry Training (IET), or its equivalent. For application availability and registration, please visit https://ky.ngb.army.mil/tuitionstudent/frmlogin.aspx or contact the Boone National Guard Center State TA Manager at (502) 607-1039. The deadlines for National Guard TA requests are October 1st (Winter/Spring terms) and April 1st (Summer/Fall Terms). **NOTE:** TA will NOT pay for any additional course fees associate with classes.

Federal Tuition Assistance

Active members of the Armed Services may be eligible for federal tuition assistance (TA). Eligibility and the method by which the student will apply will be determined by the branch of service. For more information on eligibility and the application process, please contact the representative unit's education officer. **NOTE:** Service members cannot use Federal TA and VA Education benefits of MGIB Chapter 30 and/or MGIB-SR Chapter 1606 simultaneously for the same course during the same semester as DoD and US Department of Veterans Affairs considers this a duplication of benefits.

Kentucky Department of Veterans Affairs Tuition Waiver
Tuition may be waived at any state-supported institution of higher education in Kentucky for those children, spouses and widow(er)s of Kentucky residents who, while serving in the armed forces or the Kentucky National Guard, were killed on active duty, who have died as a result of a service-connected disability, who are permanently and totally disabled, who were prisoners-of-war, or who have been declared missing-in-action. Dependents of living qualifying veterans must be between the ages of 17 and 26. Tuition is waived for up to 45 months, or until age 26, whichever comes first. Neither the age restriction nor the 45-month limitation applies to dependents of deceased veterans. Associated course fees are NOT covered by the tuition waiver. For more information and to apply for this benefit, please visit the Kentucky Department of Veterans Affairs at: http://veterans.ky.gov/Benefits/Pages/education.aspx.

For current information and/or changes to federal, state, and public law affecting veteran's education benefits, please refer to the US Department of Veterans Affairs at http://www.benefits.va.gov/gibill/.

Operation Graduation Scholarship
Murray State University offers a renewable fund to aid student veterans with purchasing textbooks needed to pursue their degree while attending MSU. Textbooks must be purchased from the Murray State University Bookstore only. The guidelines and requirements for eligibility of this scholarship can be found on the scholarship website or you may contact (270) 809-3754 or email at msu.va@murraystate.edu.

Military and Veterans Affairs Related Absences
Murray State University acknowledges and appreciates the important contributions of our students who have served or are currently serving in our armed forces. In order to support these students, Murray State pledges to make every effort to provide reasonable accommodations to students who must be absent from class due to military obligations or required medical treatment for service-connected conditions.

Students are highly encouraged to attend all scheduled classes. This policy protects students from being penalized due to class absences caused by military obligations or required medical treatment for service-connected conditions. Faculty will provide reasonable accommodations to make-up missed work. These accommodations may include a selection of comparable coursework as agreed upon by the faculty.

Both student and instructor must agree that the length of the absence is reasonable given the type and structure of the course. Student will initiate this process by providing the Military Training and VA Absence Agreement Form. Student and instructor will complete and sign the Military Training and VA Absence Agreement Form which details expectations for successful completion of the coursework. In situations where the length of absences is detrimental to the student's ability to successfully complete the agreed upon plan and remain current with the coursework, it may be deemed advisable for the student to withdraw. This document may be accessed via *myGate* or
https://www.murraystate.edu/academics/RegistrarsOffice/pdf/MilTrainingandVAAbsenceAg

Procedures and Documentation

In the case of military training or drill periods, the student must disclose the leave schedule to the instructor as soon as the unit provides such documentation, preferably prior to the event occurring. We understand that training schedules are subject to change and if a change occurs, the student shall submit a memorandum from his/her military unit to the instructor. If travel is required, a full eight (8) hours shall be excused before or after the military training or medical treatment.

In the case of service-connected medical treatment, documentation of a Veteran's Administration appointment may be requested to validate the reason for the absence. Documentation should be provided directly to the instructor or through Murray State's Office of Veteran and Military Student Success. If the student chooses to submit such documentation to MSU's Office of Veteran and Military Student Success, that office will notify the instructor of the legitimacy of the absence.

Students choosing to withdraw due to lengthy military training obligations or extended medical treatment during the semester, shall refer to the withdrawal section of this chapter and complete the withdrawal request process via *myGate*.

Graduate Admissions

Graduate Admission Standards

Although the student advising program at Murray State University is specifically designed to assist students as they progress through degree programs, **it is the responsibility of all students to be thoroughly familiar with rules, regulations, and requirements that apply to their programs of study.**

In addition to a baccalaureate degree from a regionally accredited institution, an applicant must satisfy the admission standards and prerequisites of the department and college/school in which the applicant plans to study. Prerequisites and requirements for specific degrees will be found in the appropriate departmental sections of this *Bulletin*. Applicants for doctorate degrees should also consult the specific program coordinator for admission details.

Admission Processes

Requests for admission to master's or doctorate study at Murray State University should be addressed to Graduate Admissions, Murray State University, Murray KY 42071. Applicants must submit an admission application and the $40 nonrefundable application fee. **A graduate student may be required to submit a new application for admission if the level of program or their graduate program objective changes, or if the student does not enroll for a period of four or more consecutive semesters. Under the requirements of 12KAR2:045 as cited later in this chapter, review of residency for tuition purposes is a required part of the admission/readmission process. Documents to verify residency may be requested by Graduate Admissions for residents of AL, IL, IN, KY, MO, and TN, and must be provided before the beginning of the term for which the**

applicant seeks admission.

Official transcripts reflecting all previous college credit should be forwarded to Graduate Admissions of Murray State University by the registrar(s) of the school(s) the applicant attended. In the event the student attended more than one college, an official transcript must be sent from each college. These credentials should be on file in Graduate Admissions no later than one month prior to the date the applicant expects to register.

Following the receipt of all required credentials, materials will be forwarded for departmental approval. After departmental review, the applicant will be sent an official letter indicating admission status.

The following standards represent minimum campus-wide requirements. Higher minimum standards for grade point average (GPA) and Graduate Record Examination (GRE) may be set by individual departments or colleges. In lieu of the GRE, some units may select other nationally recognized tests that are more appropriate to their disciplines. Detailed information about any program-specific admission requirements beyond these campus-wide requirements is provided in the individual program listings.

Unconditional Admission
Minimum university requirements for unconditional admission are an overall 2.75 grade point average (based on A equals 4.0). Some degree programs have additional requirements for unconditional admission. Refer to the program listings for additional information.

Conditional Admission
Conditional admission may be granted to a student with an overall grade point average between 2.25 and 2.74. Conditional admission may also be granted to a student with an overall grade point average of 2.0 to 2.24 if the academic college/school’s review of the student’s record indicates the likelihood of success. Some degree programs have additional requirements for conditional admission. Refer to the appropriate chapter in this bulletin for requirements relating to specific degrees.

Upon the completion of nine hours of graduate work a student admitted conditionally must have a 3.0 grade point average, or the student may be dropped from the graduate program. A graduate student dropped for failure to meet this requirement may reapply after having been out of the graduate program for one semester.

Any exceptions to this policy must be approved in writing by the departmental graduate coordinator, the department chair, and the collegiate graduate coordinator.

Unclassified Admission
An applicant holding a baccalaureate degree from a regionally accredited institution may be admitted as an unclassified graduate student if:
1. the student demonstrates promise but is not qualified for admission to a graduate program;
2. the student does not intend to complete a degree program at Murray State University;
3. the student has no degree objective; or
4. the student has files that are incomplete and cannot be processed for either conditional or unconditional admission.

Regulations Governing Unclassified Admission
1. A student whose files are incomplete as specified in point 4 above would have one month from the date of enrollment to complete the files and change to degree status.
2. Students with incomplete files will be restricted to one- term enrollment only.
3. Up to 12 hours earned as an unclassified graduate student may be applied to a degree if approved by the appropriate graduate advisor.
4. Unclassified graduate students will pay graduate fees for all courses.
5. An unclassified graduate student is allowed to take no more than 13 hours per semester.

Non-Degree Graduate Admission
An applicant holding a baccalaureate degree from a regionally accredited institution may be admitted as a non-degree graduate student. An official transcript reflecting all previous college credit must be submitted to Graduate Admissions at Murray State University by the registrar(s) of each school(s) the student attended. An undergraduate GPA of 2.75 is required for admission as a non-degree student.

Graduates of Nonaccredited Institutions
An applicant with an undergraduate degree from an institution not regionally accredited may enter an MSU graduate program if the applicant meets the following requirements:
1. A score of 300 on the aptitude portion (V+Q) of the Graduate Record Examination (GRE).
2. Completion of 32 hours of undergraduate course credit, with a GPA of 2.5 or better, at MSU or a regionally accredited institution which fulfill the following categories:
Communication and Basic Skills (6 hours)

Social Sciences (6 hours)
Sciences and Mathematics (8 hours)

Electives (6 hours)
Humanities and Fine Arts (6 hours)
3. Any additional requirements of the department in which the student will do graduate work.

An applicant with an undergraduate degree from an institution not regionally accredited, who has completed fewer than nine graduate hours at an accredited

institution, must fulfill the requirements of this policy. After the student's admission to a graduate program at MSU, the graduate hours earned previously will be evaluated by the student's graduate department for transfer credit.

Early Master's Admission for MSU Seniors
Seniors at Murray State University who are within nine hours of completing the baccalaureate degree, who have a cumulative grade point average (GPA) of at least 3.0, and are meeting all undergraduate GPA requirements, may be admitted to graduate study provided they meet departmental and general admission requirements. Seniors admitted on this basis are considered graduate students, and will be charged graduate tuition for all courses scheduled. **Note: This type of admission may cause problems with financial aid.**

Students who fail to complete all undergraduate requirements during their first semester as graduate students *will be denied graduate credit*. All courses taken during that term will be permanently recorded as undergraduate, with no refund of graduate tuition. Early admission graduate students may apply for graduate assistantships.

Seniors enrolled at institutions other than MSU who meet the requirements outlined above may petition Graduate Admissions for early admission. However, an official transcript with bachelor's degree posted will be required prior to registration.

Accelerated Graduate Admission
Accelerated graduate programs provide academically outstanding students the opportunity to complete both an undergraduate and graduate degree in less time and/or fewer hours than a traditional route. A Murray State University undergraduate student who needs 30 or fewer credit hours to complete all of the requirements of a baccalaureate degree and who has an overall undergraduate grade point average of at least 3.0 at the time of admission, may be considered for accelerated graduate admission as a graduate student in designated programs. See the Course Load section for graduate students in the *Registration and Academic Records* chapter in this *Bulletin*.

Students who wish to be considered for accelerated graduate admission to a graduate degree program are advised to take the GRE or another appropriate test during their junior year. Students should consult their intended graduate program for specific requirements. Application for accelerated graduate admission should be initiated by the student by completing a graduate admissions application.

See the *Accelerated Program Credit* section in the *Registration and Academic Records* chapter of this *Bulletin* for information on allowing some MSU graduate courses to be used for both undergraduate and graduate degrees.

NOTE: Federal regulations permit undergraduate students to receive financial assistance only for coursework required for their current degree program. Students who are enrolled in both undergraduate and graduate coursework in the same semester will receive less financial aid than if only enrolled for undergraduate coursework. **Students are strongly advised to contact Murray State University's Office of Financial Aid to find out how their financial aid amount would be adjusted.**

University scholarship, tuition waivers, athletic certification, and veteran's benefits may also be impacted. Graduate tuition will be charged for all coursework upon accelerated graduate admission.

Visiting Students

Any student in good standing in a recognized graduate school may enroll for graduate study at Murray State University for either a summer session or one regular semester as a visiting student.

A visiting student is not required to submit an official transcript but must secure a visiting student form from Graduate Admissions of Murray State University. This form must be completed by the appropriate official of the student's home college/university and forwarded to MSU Graduate Admissions. A visiting student who elects further graduate study at Murray State University must either fulfill all requirements for admission to graduate study or have a new visiting student form submitted by the student's "home" graduate school.

Graduate Program

All candidates for the master's or doctorate degrees at Murray State University are required to follow a planned program of graduate study. **Although a student may be required to take prerequisite courses, only approved courses completed while enrolled as a graduate student may apply toward a graduate program.**

Information regarding the graduate program form will be sent along with the letter of acceptance to graduate study. The student's academic advisor should be consulted prior to registration for assistance in planning a program. **By the end of the first term enrolled, the student must complete the graduate program form and submit it to the specified advisor, who will secure the required signatures and return the form to the Office of the Registrar. To be approved, a program must meet all requirements stipulated in the *Academic Bulletin*.**

Any subsequent change in the program must be approved by the student's advisor and the collegiate/school graduate coordinator. The collegiate graduate coordinator is responsible for notifying the Office of the Registrar of the program changes on an **official graduate substitution form** available on *myGate*.

Readmission
A graduate student in good standing who has previously attended Murray State University but has had four semesters of non-attendance will be readmitted upon completion of the graduate application and the $40 nonrefundable fee. All graduate applicants must apply through Graduate Admissions for an initial review of their application and transcripts. At that point, it may be determined that the application and transcripts will be forwarded to the appropriate academic department for approval. Before applying again or requesting new transcripts, the student should call Graduate Admissions to see if previous transcripts are still on file. Graduate Admissions will accept electronic transcripts from other accredited institutions. Students who applied for admission as a graduate student but did not enroll may need to complete a new application for admission. Before applying again or requesting new transcripts, the student should call Graduate Admissions to see if the materials sent before are still on file. Verification of residency for tuition purposes may be required. **Submitting with the application a copy of the applicant's driver's license and vehicle registration will assist with this process. The applicant will be notified if other documents are required.**

A student who has been enrolled at other institutions since last attending Murray State must request an official transcript be mailed directly to Graduate Admissions from each college attended. Failure to furnish such official transcripts as required will delay admission and may affect the student's academic standing at Murray State. **A student who withholds or gives false information or documents can be denied admission or administratively withdrawn from school.** For further information, contact (270) 809-3756.

International Graduate Student Admission
In addition to meeting departmental, collegiate, and general graduate study requirements, an international student must submit the following to International Admissions before an admission decision can be made:
1. A completed application for admission, including the nonrefundable application fee of $50 (US).
2. Official transcripts reflecting all previous college credit should be forwarded to International Admissions at Murray State University by the issuing officer (e.g. Registrar, Controller of Examinations) of each school the applicant attended. An official copy of the diploma or graduation certificate will also be required if a student received a degree and it is not indicated on the official transcript. Copies must be certified by the issuing institution. Copies notarized by a third party will not be accepted. Credentials will be evaluated to determine if the course of study completed is equivalent to a four-year degree.
3. An official translation of any document not originally in English sent directly from the translator.
4. Proof of adequate funds to finance their entire course of study. A statement of financial responsibility should be sent directly from the person and/or organization providing financial support. In addition, the appropriate documentation to verify that funds are readily available to the student will be required.
5. Proof of English language competency by one of the following:

a. Official TOEFL score report with acceptable score,

b. Official International English Language Testing System (IELTS) score report with an acceptable score,

c. Degree from a university located in a country where English is the native language*; or unless otherwise specified by the department, students from the following countries or having graduated from the following colleges or universities are not required to submit English proficiency scores: Antigua, Australia, Bahamas, Belize, British Islands, Cameroon (University of Buea and University of Bamenda), Canada, Ghana, Ireland, Kenya, Namibia, New Zealand, Nigeria, and United Kingdom.

d. Successful completion of MSU's English as a Second Language (ESL) program in addition to the program's requirements.

Please note that graduate departments have individual specified requirements that can be accessed at http://www.murraystate.edu/students/International/graduate_requirements.asp

Conditionally admitted students may be assigned to full-time language study in the English as a Second Language (ESL) program or entered into a graduate transition program or admitted unconditionally to graduate study if the student meets all other specific program requirements.

A student who has successfully completed the advanced level of the MSU English as a Second Language (ESL) program, and has been certified in English competency by the designated ESL/College Graduate Program Assessment Committee, and met all other specific program requirements will be allowed to enroll in the designated graduate program. Performance in ESL classes, TOEFL scores, and written and oral proficiency in the specific area of graduate study will form the basis for language proficiency assessment.

Notes:

1) Academic departments may set standards for English proficiency requirements higher than the minimums listed below. Students must meet the specific language proficiency requirements listed in each respective department's admission requirements of this Bulletin.
2) Conditional Admission requires completion of MSU's English as a Second Language (ESL) program and achievement of the Institutional TOEFL score required by the applicant's desired program.
3) The Computer-Based TOEFL test is no longer available, however, scores maintained by ETS will be honored.

Graduate Admission Status Based on Language Proficiency Requirements

	Fully Admitted Without Condition	Admitted With Condition	Fully Admitted With ESL Condition
Paper-Based TOEFL	527 or more	500-523	497 or below
Internet-Based TOEFL (iBT)	71 minimum on Academic Test with no band less than 16	61-70 on Academic Test or any band score of 13-15	60 or below on Academic Test or any band score of 12 or less
IELTS	6.0 minimum on Academic Test with no band less than 5.0	5.5 on Academic Test with any band score of 4.5 or 5.0	5.0 or below on Academic Test or any band score below 4.5
			No TOEFL or IELTS Scores
GTEC	1190 overall score	1100 overall score	
PTE	50 overall score	45 overall score	
Duolingo	100	90	
TOEIC	791 and 160 speaking	700 and 140 speaking	
Kaplan English Certificate	Advanced Level	Higher Intermediate Level	

NOTE: Many graduate academic programs set standards for English proficiency requirements that are higher than the minimums listed above. Students must meet the specific language requirement of their respective programs as listed in the current academic Bulletin. Certain graduate programs do not offer conditional admission. Please email msu.intl@murraystate.edu for specific requirements.

Registration and Academic Records

(270) 809-5630 or 800-272-4678 ext. 1

msu.registrar@murraystate.edu

msu.registration@murraystate.edu

Office of the Registrar
For information regarding registration, graduation, degree audits, *myGate*, grade policies, and for instructions to request a transcript, see the Registrar's website at www.murraystate.edu/registrar. Questions may be directed to the Office of the Registrar at (270) 809-5630 or 800-272-4678 (extension 1), or in writing to the Office of the Registrar, 113 Sparks Hall, Murray, KY 42071-3312, or by email at msu.registrar@murraystate.edu. The Office of the Registrar considers Murray State email to be the primary and official source of communication.

myGate
Murray State University provides a secure portal to an on-line information network (*myGate*) for students and faculty. The system provides up-to-date access to students

enabling them to register and view their class schedules, grade reports, transcripts, degree audits, account balances, 1098T tax information, student loan notices, contact information, personal information (majors, advisors, GPA, etc.), and account holds. Students also use *myGate* to add/drop classes, withdraw from the semester, request enrollment verification, apply for graduation, request transcripts, and update contact information. **It is the student's responsibility to check their *myGate* account regularly and to keep all contact information current.** More information can be found on the Registrar's website (www.murraystate.edu/registrar) or by clicking the *myGate* link on the www.murraystate.edu home page.

Students may choose to release non-directory (confidential) information to certain individuals by completing the *Consent to Release Student Information* process on their *myGate*. Refer to the FERPA section found later in this chapter.

If you cannot log into *myGate* because you have forgotten your password, contact the Service Desk at (270) 809-2346.

Policy Changes
Murray State University reserves the right to modify regulations regarding admission, registration, drop/add, course offerings/arrangements, curricula, retention, graduation, and other functions of the university. Such regulations shall govern both old and new students and are effective when adopted. A schedule of classes and updated information may be found on *myGate* and www.murraystate.edu. The University reserves the right to make any policy changes or adjustments in the *Academic Bulletin* which are deemed necessary.

2020-2021 Academic Calendar

Fall 2020

Event	Date
Classes Begin	August 17
Holiday	September 7/November 25-27
Classes End	November 20 (COVID-19), December 11
Finals	November 18-20
Commencement	November 21

Winter 2020

Event	Date
Classes Begin	December 14
Holiday	December 24-25, 31/January 1
Classes End	January 6

Spring 2021

Event	Date
Classes Begin	January 11
Spring Break	March 15-19
Holiday	January 18
Classes End	April 30
Finals	May 3-7
Commencement	May 8

Summer 2021

Event	Date
Classes Begin	May 10
Holiday	May 24/July 5
Classes End	August 6

For additional information regarding the official university academic calendar visit *myGate* or www.murraystate.edu. Murray State University reserves the right to modify the academic calendar as deemed necessary.

Registration

Students who have been enrolled at Murray State in at least one regular term within the two years preceding the registration term will be in the active registration file. All other students must file a formal application for admission or readmission to determine their registration status. Refer to the section on admission or readmission in the *Undergraduate Admissions* or *Graduate Admissions* chapters.

Registration for qualified students at Murray State is via an on-line process on *myGate*. Questions may be directed to the Registration Office at (270) 809-2394 or email, msu.registration@murraystate.edu. Refer to the university calendar, available on *myGate* or the Murray State website, for exact dates and times.

New freshmen and new transfers have an opportunity to schedule for the fall term during a summer orientation session. Graduate students who wish to take advantage of advanced scheduling must be admitted by the following deadlines: April 1 for summer and fall terms, and November 1 for the winter and spring terms. Others may schedule after they are admitted. Reference should be made to the official university calendar for the advanced scheduling dates for currently enrolled students. Specific scheduling times are assigned during advanced scheduling. Assignments are based on the number of semester hours earned as shown on the student's Murray State academic record plus the hours enrolled at Murray State (in progress) at the time scheduling takes place.

A student who attends a class without being properly enrolled will not receive credit. Courses must be scheduled in the semester in which the actual coursework is completed. Attendance is expected on the first day of

classes. A student is considered registered when he/she is properly enrolled in class(es). Once a student is officially enrolled in a course, he/she will gain access to their courses on Canvas, approximately one week prior to the first day of the semester.

Academic Advising

Before a student may schedule, he or she must have consulted with an academic advisor about his or her proposed class schedule. Undergraduate, and some graduate, students have an advising hold that restricts their registration access and can only be released by their assigned academic advisor. Intercollegiate Athletics and Honors College students are required to have additional approval from the appropriate program advisor.

Holds

Students should check their *myGate* to view all current holds. Holds must be cleared prior to scheduling classes. Students will not be permitted to register until the related issue has been solved. Examples of these holds include: an undergraduate student who has earned 45 semester credit hours and is listed with an “undeclared” major; an undergraduate student who has earned 60 semester credit hours and is completing a major (as opposed to an area) and has not officially declared a second major or a minor; a student with an incomplete admission file; a student on academic suspension; a student who has any indebtedness to the university; a student who does not have a valid address on file; a U.S. citizen who does not have a valid social security number on file; and a student who has completed a degree or certificate and has not been admitted to a new program or status.

Credit Hours

Murray State University maintains high academic standards in its curricular offerings with processes in place to ensure consistency in credit hours awarded and appropriate designation for the level of course content. The university operates on a semester system with one hour of credit equal to a minimum of fifteen one-hour sessions of lecture or thirty one-hour sessions of laboratory, studio, or practice and two hours of out-of-class work each week, or the equivalent based on the length of the semester. All courses are reviewed for credit hour compliance and approved by the University Academic Council based on proposals submitted by an academic department and routed through its academic college/school. It is the responsibility of each academic department to monitor its courses for appropriate content and to determine the appropriate level and amount of credit awarded for course completion.

It is the practice of Murray State University to be consistent in its course requirements, academic rigor, credit hour award, and expectation of student performance for any given course, regardless of course level, format, or mode of course delivery. If a course is offered both in a traditional campus-based format and via an asynchronous, distance-based model, the content and credit awarded must be equivalent. For curricular components offered only as distance-based courses, the academic department is expected to provide a determination and justification for the appropriate amount of credit awarded. This determination is based on an expectation that a fixed number of credit hours is assigned for the successful completion of course activities and achievement of course competencies as stated in the course syllabus.

Each academic year consists of a fall term that begins in August, a winter term that begins in December, a spring term that begins in January, and a summer term that begins in May and includes several sessions of varying durations. Each term may contain parts-of-term within that semester where classes begin and end at a different time than a 'full semester course '. These parts-of-term classes are wholly contained within a single term. Final grades will be recorded twice a semester for fall and spring: Mid-October for fall and mid-March for spring; with the remaining parts of term recorded at the end of the semester. Due to the nature of scheduling courses during certain times within respective terms, the university may approve a credit hour equal to 50-minutes of instructional time each week or the equivalent thereof. In all cases, the instructor is expected to utilize extra out-of-class communication and activities with the student to justify any time modification.

Classification
All students must comply with University policies, regardless of classification.

Undergraduate Level
Freshman less than 30 semester hours of earned credit
Sophomore 30 to 59.9 semester hours of earned credit
Junior 60 to 89.9 semester hours of earned credit
Seniors a minimum of 90 semester hours of earned credit
Post-Baccalaureate students taking undergraduate classes after receiving a baccalaureate degree or higher

Graduate Level
Graduate students working on an advanced certificate, degree, or certification

Course Numbers
The numbers used to identify courses are as follows:
001-099 special category and/or developmental courses
100-299 lower-division undergraduate courses
Requires at least a junior classification.
300-499 upper-division undergraduate courses
500-599 upper-division undergraduate courses
Must be admitted to graduate studies prior to scheduling.
600-799 graduate courses
800-999 doctoral courses

Freshman and sophomore students may take 300-level or 400-level courses with the approval of the chair of the department in which the course is offered. Sophomores who will be juniors before a 500-level course begins may schedule for the course, with the understanding courses may be removed from the schedule if junior status is not attained before the course begins. Only those who are classified as graduate students may take 600-level or higher courses.

Student Course Load
Audited classes are included when determining the total hours in a student's course

load.

Undergraduate Students
The minimum full-time undergraduate course load is 12 semester hours. The typical load is 16 hours. Students who are on academic warning or academic probation are restricted to 16 hours. Since the maximum load without special approval for other undergraduate students is 19 semester hours, it is not possible to schedule for more than 19 hours via *myGate*. If an exception is to be made in any individual instance, the undergraduate student must be at least sophomore standing and have an overall grade point average of at least 3.00 or have earned at least 12 hours with a 3.00 for the previous semester. If the minimum GPA requirements are met, an approved *Course Overload* form for undergraduate students, signed by the student's academic advisor and department chair, must be taken to the Office of the Registrar, Sparks Hall. Under no circumstances may an undergraduate student enroll in more than 22 semester hours: 1) without approval signature of, and a letter of justification from, the student's collegiate/school dean; 2) without approval signature of the Associate Provost; and 3) who does not have a cumulative 3.00 GPA.

For more details on self-paced distance learning courses as they relate to course load, refer to the *Center for Adult and Regional Education*.
For more details on cooperative education as it related to course load, refer to *Academic Degrees and Programs*.

Graduate Students
Full-time status requires graduate students to be enrolled in a minimum of six semester hours. The maximum course load, without special approval, is 13 semester hours (maximums include undergraduate and graduate-level courses) so it is not possible to schedule for more than 13 hours via *myGate*. For an exception to be granted to an individual, the graduate student must have an overall grade point average of at least 3.00. If the minimum GPA requirement is met, a *Course Overload* form for graduate students signed by the student's graduate advisor/program coordinator and department chair, must be taken to the Office of the Registrar, Sparks Hall. Under no circumstances may a graduate student enroll in more than 16 semester hours: 1) without approval signature of, and a letter of justification from, the student's collegiate/school dean; and 2) without approval signature of the Associate Provost for Graduate Education. Full-time status for all graduate students is enrollment in a minimum of six semester hours regardless of Graduate Assistant employment status.

Concurrent Enrollment
Students enrolled in classes at multiple schools during the same semester are considered to be concurrently enrolled. A concurrently enrolled student may not enroll in a combined course load that exceeds the applicable Murray State student load regulation. Students requesting an overload of combined hours must get written approval by their academic advisor and dean on the appropriate overload form. See *Student Course Load* section for the overload policy.

In order to receive financial aid for concurrently enrolled classes at another institution, the courses must be applicable to the student's degree program and pre-approved on

the Concurrent Enrollment form found on MSU's Financial Aid website, www.murraystate.edu/admissions/financialaid. **Students should check www.murraystate.edu/evaluate to verify their course equivalency at MSU before registering for courses at other institutions.** See the *Repeating Courses* section for details on the repeat policy for transfer courses.

Degree-seeking MSU students concurrently enrolled in courses at other institutions are required to submit their official transcript/s directly from each institution to MSU after each semester of enrollment. Failure to submit transcripts after each semester may result in a change in academic standing, including academic suspension from MSU, and could cause a student to take unnecessary classes.

International students must seek prior approval from International Student Services, 101 Pogue Library, in addition to meeting all other concurrent enrollment requirements.

Course Prerequisites

Students are required to comply with the most current course prerequisites at the time they register for the course. The most current course prerequisites are listed on the online schedule of classes found on *myGate*, the RACR Degree Audit, and in the most recent *Academic Bulletin*.

Schedule Change

NOTE: Dropping below full-time status may affect total fees, benefits, insurance, financial aid, athletic eligibility, veteran benefits, international status, scholarships, etc. It is the student's responsibility to comply with all such policies.

Any schedule changes should be approved by the student's academic advisor. Additional approval is required for athletes, students in the Honors College, veterans, international students, and those who wish to audit a class. Once approval is granted, or if the change does not require special approval, the student will use *myGate* during the published drop/add periods. Forms for changes that require special permission should be taken to the Office of the Registrar, Sparks Hall, by the published deadline.

Dropping a class before the end of the first drop period will eliminate the course from the student's permanent record. For classes dropped during the second drop period, the student will receive a grade of withdrawn (*W*). Consult the current *Academic Calendar* for dates and deadlines at www.murraystate.edu/registrar.

It is the student's responsibility to review their schedule on *myGate* after making changes to verify all transactions have been successfully processed.

Schedule Change Fee. Any course change after the published deadline may be subject to a $50 schedule change fee. Please review the *Academic Calendar* for published add and drop dates at www.murraystate.edu/registrar.

Auditing of Courses
An auditor is one who enrolls and participates in a course without expecting to receive academic credit. A student may not schedule for audit or change a course from CREDIT to AUDIT via *myGate*, since the permission and signature of the instructor are required. The audit permission form is available in the Office of the Registrar or on the www.murraystate.edu/registrar website. Students interested in auditing a course must secure written permission from the instructor and discuss course requirements prior to enrolling. The approved audit permission form must be submitted to the Office of the Registrar for processing by the published deadline (see *Academic Calendar*). The semester hours of an audited class count toward full-time status at Murray State; however, **audited courses do not have credit nor apply to any degree or certificate program and do not figure in completion hours required for NCAA, financial aid, or veterans' benefits eligibility, nor meet course prerequisites**. Tuition and course fees are the same for credit and audit courses. Courses that were audited may be taken for credit in a later term. Also, a class may be audited after having received credit for the course, but an audit grade will not replace/remove an earlier grade. Instructors and/or an academic department reserve the right to deny audit permission for their classes.

Regular class attendance is expected of an auditor. Because audited classes are considered load credit, instructors have the authority to fail an auditing student if he or she does not do the required work, or fails to attend the class. A successful audit will be recorded on the record with the designation *AU*. A failure will be recorded as an *E*.

Any change from AUDIT to CREDIT must be done by the last day to add a class. See the university academic calendar for published deadlines. A change from CREDIT to AUDIT must be done by the last day to drop a course with a *W*, and requires the permission of the instructor of the course. Refunds for withdrawals from audited courses are prorated on the same basis as refunds for withdrawals from courses taken for credit.

Time Conflicts
Time conflicts between two different classes may be approved if the time conflict is 15 minutes or less. Time conflicts must be approved by one or both instructors in writing. The student will submit an approved *Time Conflict Form* to the Office of the Registrar for processing by the last day to add a class (see *Academic Calendar*). The *Audit/Time Conflict Form* is found on the Office of the Registrar website, www.murraystate.edu/registrar.

Overrides
Course overrides may be given at the discretion of the individual instructor, chair of the department or dean of the college. Overrides are applied to a student's account on *myGate*. Once overrides are applied to a student's account, it is the responsibility of the student to add the appropriate class on their *myGate* by University published deadlines. Students can view applied overrides on their *myGate* Academics tab.

Withdrawal
Students dropping all classes must submit their request to withdraw from the semester via their *myGate* Academics tab. Contact the Office of the Registrar for additional information concerning withdrawal procedures. **Students who do not submit their official withdrawal request will receive failing grades in all of their courses.** Withdrawal requests must be completed by the last date to drop a class with a *W* (see *Academic Calendar* for detailed withdrawal deadlines). Withdrawals will be recorded on the student's permanent record. Refund policies are published online each semester on the Bursar's Office website, www.murraystate.edu/bursar, Proration of Charges.

Withdrawing from school before the end of the first drop period will eliminate the courses from the student's permanent record. Withdrawal during the second drop period, the student will receive grades of withdrawn (*W*). Consult the current *Academic Calendar* for dates and deadlines. Withdrawal of any type does not remove the student's financial obligation to the university.

Administrative Withdrawal
Students who fail to meet their obligations to Murray State University, either financial or administrative, may be administratively withdrawn from the university and lose all credit being attempted. This includes students who withhold or falsify information on documents during the admission process.

Active Duty Deployment Withdrawal
If an active duty serviceperson, a national guardsman or a reservist is deployed during the semester, he/she may withdraw from the university without penalty as of his/her deployment date. The student must submit their withdrawal request via their *myGate* Academics tab and provide proper documentation to the Registration Office as soon as possible. Contact the Registration Office at (270) 809-3776, msu.registration@murraystate.edu, or the Office of Veteran and Military Student Success at (270) 809-3754, msu.va@murraystate.edu for additional information on the withdrawal process and required documentation.

Academic Records
Demographic and Address Change
Any student who changes his or her name or social security number is expected to notify the Office of the Registrar and provide requested documentation. Changing one's name does not change the name printed on the diploma. To make the change on the diploma, the student must contact the Graduation Office at (270) 809-5084 or msu.graduation@murraystate.edu.

Murray State University recognizes students may wish to use a name other than their legal name. When requested, the university will use a preferred first name on certain documents and online information sources. The official/legal name will remain on permanent records, including but not limited to academic, employment, and tax

records. **Students may not designate a preferred last name. Students are encouraged to add a preferred first name using the Preferred First Name Form as found on www.murraystate.edu/registrar prior to the start of a semester to assist instructors in consistently addressing a student throughout the course of a semester.**

The student will be held responsible for any communication from any university office sent to the Murray State email address or the mailing address last given, and may not claim ignorance on the plea of having changed lodgings or name and therefore of not having received the communication. A student can review and update address and contact information on *myGate*. **Changing an address does not change residency for tuition purposes.**

Credit by Examination

Undergraduate Students

For students enrolled at Murray State, undergraduate residence credit may be earned through the Advanced Placement Program (APP), College Level Examination Program (CLEP), selected International Baccalaureate (IB) examinations, and challenge examinations developed by the academic departments. A listing of tests that Murray State accepts for credit is available from the Testing Center, Applied Sciences Building. Official score reports must be sent directly to Murray State from the issuing agency to receive credit. The credit hours earned through these examinations will count toward graduation, but will not be used to compute grade point averages since a letter grade will not be given. Although a student may receive credit hours through any of these programs, duplicate credit may not be earned. For example, a student who earns credit for ENG 105 through APP may not receive additional credit for an ENG 105 class or the CLEP general or subject exam. Students currently enrolled at Murray State must have written permission prior to taking any tests for credit and may not be enrolled in the course in the same semester as the test is being taken. Permission forms may be obtained from the Testing Center. Credit by examination may not be used as a repeat of a course taken earlier.

Advanced Placement Program (APP)

This is a program offered in cooperation with Educational Testing Service and various high schools. Generally, students will complete their APP tests while in high school. MSU encourages, but does not require students to complete a particular APP course prior to taking the examination in that area. A score of three is the minimum required for credit and in some cases, a score of four or five will yield additional credit. A listing is available at www.murraystate.edu/testingcenter. A student must be enrolled at Murray State to receive credit based on satisfactory APP scores. APP credit may not be used as a repeat of a course taken earlier.

College Level Examination Program (CLEP)

This program provides an opportunity to earn credit for previous education or life and career experiences. The CLEP tests may be taken prior to enrollment; credit will be granted after enrollment at MSU. If currently enrolled at Murray State, a student must apply for permission to take the CLEP. A score of 50 is the minimum required for credit and in some cases higher scores will yield additional credit. The CLEP tests are

administered on the main campus by the Testing Center. A student must be enrolled at Murray State to receive credit based on satisfactory CLEP scores. A CLEP test may be repeated with permission. A minimum of six months must elapse between retakes of the same test. It is the student's responsibility to ensure that retake attempts meet this requisite. CLEP credit may not be used as a repeat of a course taken earlier. A listing is available at www.murraystate.edu/testingcenter.

International Baccalaureate Examinations (IB)
This is a program offered at various high schools. A list of International Baccalaureate examinations that have been approved for credit is available through the Transfer Center. A student must be currently enrolled at Murray State to receive credit based on satisfactory IB scores. IB credit may not be used as a repeat of a course taken earlier.

Departmental Challenge Examinations
A student must be currently enrolled at Murray State University to receive credit for a departmental challenge examination. All requests for departmental challenge examinations must be approved by the chairman of the department offering the course. **All costs connected with a particular examination must be met by the student prior to the testing date.** A per credit hour fee is assessed for each course. A department may adopt a standardized examination available from outside the university or develop a departmental proficiency examination which may be oral, written or both. Students desiring to receive credit by departmental challenge must register and pay for the challenge exam on *myGate*. If the student passes the exam, the department will send the approval to the Office of the Registrar for posting credit to the academic record. Departmental challenge examination credit awarded will be posted to the student's academic record in the semester in which the student is enrolled, however, no earlier than the first day of the semester.

• A departmental challenge examination may only be taken once.
• Departmental challenge credit may not be used as a repeat of a course taken earlier.
• A grade received in a regular course may not be changed by departmental challenge examination.
• Please note that departmental challenge examinations are not offered for all subjects or courses.

Military Service Credit
Refer to the section on Transfer Students in *Undergraduate Admissions* regarding military service credit for undergraduate students.

Accelerated Program Credit
For qualified students who have been admitted to an accelerated graduate program, a maximum of 12 Murray State graduate credit hours (30 MSU graduate credit hours for the accelerated Occupational Therapy program) may be used towards satisfying their undergraduate and graduate degree requirements. Grades earned in the Accelerated Program Credit will count in both the undergraduate and graduate GPAs. **Students who drop out of the accelerated graduate program will not be eligible to use the Accelerated Program Credit courses toward any graduate degree;**

however, the courses will continue to apply toward the undergraduate degree. Students must seek approval from their academic department and complete the *Accelerated Program Credit Approval Form* (found on *myGate*).

The current approved list of programs offering undergraduate students an accelerated route for graduate degree completion includes: Agriculture, Chemistry, Earth and Environmental Sciences, English/Literature, English/TESOL, English/TESOL (non-certification), History, Mathematics, and Occupational Therapy.

Graduate Students

Prior Learning Credit

Certain graduate programs may award credit for prior learning and/or provide proficiency reviews. A maximum of nine semester credit hours per degree program may be awarded for prior learning credit per degree. Contact the program coordinator for more information.

A student must be currently enrolled at Murray State University to receive prior learning credit. All requests for prior learning credit must be approved by the student's academic advisor, program coordinator, collegiate coordinator or academic dean, and the university graduate coordinator. The request may be denied at any level of the review. All costs connected with the prior learning credit must be met by the student prior to departmental review. See the *Schedule of Fees* for details.

Each department is responsible for adopting its own assessment policy to determine what credit a student is eligible to receive. Students desiring to receive prior learning credit must apply and pay for the prior learning credit on Marketplace. If the student successfully completes the departmental assessment, the academic advisor will complete the Graduate Level Prior Learning Credit Approval Form. Once the form is approved by all required parties, the university graduate coordinator will submit approval to the Office of the Registrar for posting of credit to the academic record. Prior learning credit awarded will be posted to the student's academic record in the semester in which the student is enrolled; however, no earlier than the first day of the semester.

- Prior learning credit may not be awarded for a course already completed unless the course is expired.
- A grade received in a regular course may not be changed by prior learning credit examination.
- Prior learning credit is subject to the eight-year time limit for degree applicability.
- Please note that prior learning credit is not offered for all graduate programs or courses.

Military Service Credit

Contingent on the approval of the graduate advisor, the collegiate graduate coordinator, and Graduate Admissions, six hours of graduate credit may be accepted toward a master's degree for completion of U.S. Military Command and General Staff College.

Grades
All final grades are submitted by the instructor via their *myGate* and posted to students' academic record by the appropriate deadline/s each semester. Only grades submitted by the instructors via their *myGate* are considered official and recorded on the students' record. Grades posted elsewhere (such as Canvas) are not official and may be different than the official grade recorded on the permanent record. All grades for parts-of-term courses will be recorded at the conclusion of the part-of-term. Mid-term grades are not posted to the academic record but can also be viewed on *myGate's* Academics tab. Students who have met their financial obligations to Murray State can view their academic record on *myGate*.

The following are grades used for the evaluation of course work, with a 4.00 grading scale used to determine grade point average:
A: Excellent - valued at four points for each credit.
B: Good - valued at three points for each credit.
C: Fair - valued at two points for each credit.
D: Poor - valued at one point for each credit.
E: Failure, no credit - valued at 0 points but counted as GPA hours.
P: Passing credit earned – credit valued at no points and no hours attempted. (Used for credit by exam and officially approved pass/fail courses as stipulated in the course description section of this *Academic Bulletin*.)
AU: Audit - no credit. (Requires instructor's approval.)
I: Incomplete - computed as non-punitive and converts to an *E* with punitive value if not completed and changed by published deadlines (see *Incomplete Grades* section below).
R: Deferred grade - grade used in restricted instances for specifically approved courses. No credit is given and is not computed as hours attempted. For graduate students, this grade may be given for courses numbered 698, 699, 798, and 799. It will change to a grade of *I* (or an *E* at the department's discretion) if work has not been completed within two years from the time the *R* grade is given.
W: Dropped or withdrawn - no hours attempted and no quality points. (May only be assigned to eligible students who have officially dropped courses or withdrawn from Murray State by published deadlines.)
NR: Not reported - grade used when the instructor has not submitted final grades by the deadline. No credit is given and is not computed as hours attempted.
IP: In progress - grade used in restricted approved instances. Computed as non-punitive.
Students may not submit missed work, make changes to already submitted work, nor complete additional assignments in order to change a grade of *A*, *B*, *C*, *D*, or *E* once the grade has been recorded.

Incomplete Grades
A **grade of *I*** (incomplete) is assigned when a student is unable to complete a small portion of all class assignments for reasons beyond the student's control and the reasons are satisfactory to the instructor. A student who receives an *I* grade must complete the work and the instructor must submit the grade **by mid-term of the fall or spring term** immediately following the term in which the *I* was received, regardless of the student's enrollment status. *I* grades received in the fall and winter must be completed and grades submitted to the Office of the Registrar by March 15 of the following spring term; spring and summer *I* grades, by October 15 of the following fall

term. *(Degree pending students should see the note below.)* Students completing class assignments with the intent to change the *I* to a passing grade should not re-register for the course.

Should the student fail to complete the coursework within the designated time period, the *I* will be converted to a grade of *E* and the GPA will be recalculated. This may change academic standing, including dean's list honors.

Once a grade of *I* has been converted to an *E*, the grade will not be changed to a passing grade. After a grade of *E* has been assigned, the student must register, pay for the course, and complete all coursework in a future semester in order to receive credit. Re-registering for the course will not prevent the original *I* grade from being changed to an *E* after the deadline has passed.

NOTE: If a student is pending a degree, incomplete grades must be changed **within five (5) weeks** after the semester ends; otherwise graduation will be delayed until the next semester, with the deadline of completing work for the incomplete of October 15 for spring and summer grades and March 15 for fall and winter grades, whichever is applicable. (See the *Graduation Requirements* section in *Academic Degrees and Programs* for additional information.)

Quality Points

Quality points are earned per credit hour and are used to calculate a student's grade point average. The number of points received for each course is determined by the grade earned and the grading scale used. Since Murray State uses the 4.00 grading system, each credit hour of *A* receives four quality points; each credit hour of *B* receives three; each credit hour of *C* receives two; and each credit hour of *D* receives one. For example, a student who earns an *A* in a four-hour course will receive 16 quality points.

Grade Point Average

The grade point average of a student is defined as the ratio of the total number of quality points to the total number of GPA hours, truncated (no rounding) to the second decimal point. For example, a 3.9999 calculation would be recorded as a 3.99 GPA. Institutional GPA (Murray State University coursework), transfer GPA (other institutions' accepted coursework), and cumulative GPAs are posted to a student's transcript and can be found on the Academics tab on *myGate*. For example, a student who earns a grade of *B* in all courses for a total of 120 semester hours would have 360 quality points and a GPA of 3.00. **A degree GPA is calculated at the time a degree is conferred and recorded. A student's record will not be changed by subsequent coursework after a degree is granted, including repeated courses.**

Grade Change Policy

Grades are recorded in the Office of the Registrar as reported by the faculty at the end of each term. No grade recorded on the student's record may be changed except upon a written statement signed by the instructor certifying an error in reporting had been

made.

When an error is made in reporting a grade, the instructor may make the necessary change in the Office of the Registrar within the first 20 days of the semester following the recording of the grade. A grade will not be changed after a degree is conferred. **Students may not submit missed work, make changes to already submitted work, nor complete additional assignments in order to change a grade of *A*, *B*, *C*, *D*, or *E* once the grade has been recorded.** The policy concerning the changing of *I* grades is addressed earlier in this section. Under no circumstance will an appeal of a grade be accepted after one year from the end of the semester in which the grade was received.

Dean's List Academic Honors

Full-time (courses in which a grade of *P* is received will not count toward full-time status for this purpose) undergraduate students who have attained a term grade point average of 3.50 or above in either a spring or fall semester will be placed on the "Dean's List" for that semester and will appear on the student's record. This requirement must be met at the time grades are posted. Grades changed after the initial posting of grades will not be used for determining Dean's List. Grades of *I* may prevent a student from being placed on the Dean's List. Dean's List information is also displayed under the Academics tab on *myGate*. For press release forms regarding Dean's List Honors, please contact the department of University Communications. The policy concerning degree honors is addressed in the *Graduation Requirements* section of *Academic Degrees and Programs*.

Repeating Courses

Undergraduate Students

An undergraduate student may, for the purpose of raising a grade, enroll in a course for credit no more than three times unless otherwise noted in the course description. Only the last attempt will be calculated in the overall GPA and count toward hours earned. Grades of *AU*, *R*, or *W* do not count toward repeat attempts. Transfer credit is also subject to this policy. Therefore, an equivalent course could 'mark off' a previously earned Murray State course. All attempts and the original grades are recorded on the academic record.

Note: All undergraduate coursework to date will be evaluated using this policy. Students who received credits or failures in a course, three or more times with only the first attempt removed from GPA calculation, will have all but the last attempt removed from the overall GPA. Repeating a course after a baccalaureate degree has been conferred will not mark off a previous grade.

Graduate Students

Repeating a graduate course does not remove the original grade received in the course. All graduate-level grades remain on the academic record. In calculating grade point averages, a repeated course shall be considered an additional course. If a graduate student takes a course at Murray State and chooses to repeat that course at another institution, permission from the student's graduate advisor and collegiate

graduate coordinator must be secured. Students are required to submit an official transcript directly from the other school to Murray State after each semester of enrollment. A repeated transfer course is added to the student's degree GPA calculation. A course substitution form must be forwarded to the Graduation Office in Sparks Hall to document departmental approval of transfer credit.

Minimum Academic Standards

Outcomes Assessment

Outcomes assessment, while not having an impact on a student's grade point average or graduation status relative to the student's test performance, is nonetheless a required activity.

Academic Standings

Undergraduate Students

Academic Good Standing

Students who are not on warning, probation, or academic suspension or dismissal are considered in good standing. If a student is not in good standing but requests a verification of good standing be sent to another institution, the verification will state that the student is eligible to re-enroll if applicable.

Undergraduate students are expected to maintain at least a 2.00 cumulative grade point average (GPA). The conditions and actions described below pertain to undergraduate students whose GPAs fall below 2.00. Some programs require students to maintain a higher cumulative grade point average.

Academic Warning

A student will be on academic warning when his or her cumulative GPA is less than 2.00 but is at or above the values listed below for the number of GPA hours the student has attempted. A student on academic warning may enroll for a maximum of 16 credit hours during a fall or spring term.

Academic Probation

A student will be on academic probation when his or her cumulative GPA is less than the value listed below for the number of GPA hours the student has attempted.

GPA Hours Attempted	Cumulative GPA
1 - 32	1.50
33 - 64	1.70
65 - 79	1.90
80 or more	2.00

An undergraduate student will be placed on Academic Probation at the end of the first grading period in which his/her cumulative GPA falls below the appropriate threshold listed above. A student on probation may register for a maximum of 16 hours during a fall or spring term.

Academic Probation Continued
A student who does not meet the cumulative GPA threshold listed above for his/her GPA hours attempted, but earns a term GPA of at least 2.00 for the probationary semester will remain on probation and may register for a maximum of 16 hours during a fall or spring term.

Removal from Probation
A student will be removed from probation after the probationary semester by reaching or exceeding the appropriate cumulative GPA threshold listed above. Failure to do so will result either in Continued on Probation or Academic Suspension.

Academic Suspension
An undergraduate student will be suspended from the University following a probationary semester in which he or she does not meet the criteria for continued on probation or removal from probation (see above). A student suspended for the first time may not re-enroll until one succeeding (fall or spring) term has passed. Academic Suspension is noted on the academic record. An undergraduate student who receives a second academic suspension may not re-enroll for two calendar years. An undergraduate student who receives three or more academic suspensions will be indefinitely dismissed from the University. **Being reinstated does not remove prior academic standings from a student's academic record.**

Academic Second Chance
Academic Second Chance (ASC) is an appeal procedure for an undergraduate student to request academic forgiveness for their courses. It applies to one or more semesters within which a student earned grades lower than a *C* prior to a two-year separation in postsecondary attendance. If approved, the requested terms would be excluded when calculating the student's grade point average. No courses taken during the semesters approved for ASC would apply toward requirements for a degree.

A student who wishes to petition for ASC must have been separated from all institutions of higher learning for a minimum of two consecutive calendar years. (Ex: Grades earned in May 2016 would require the student to be separated until May 2018.) If a student withdrew from a semester and the withdrawal appears on their transcript, the student is considered "enrolled" during that term.

An ASC request form may be submitted by an enrolled student after the student has reentered Murray State University and has earned a minimum of 12 new degree credit hours at Murray State University with a minimum GPA of 2.50 on all hours since re-enrolling. ASC requests are only valid for the student's first baccalaureate degree. The ASC request form must be submitted to the Office of the Registrar, specifying the terms for which ASC is requested.

ASC courses remain a part of the transcript with a notation that academic second chance has been applied and those grades are not included in GPA calculations. If a

course excluded by ASC was used as a repeat of an earlier course, the original course which had been excluded from grade point average consideration due to the repeat policy will be reinstated into the GPA as though it had never been repeated. ASC may impact VA education benefits awarded during those terms. Prior to ASC request, please contact the VA office.

The new GPA is the official GPA of the university. Students need to be aware that some schools, agencies, academic areas, organizations, and scholarship programs may not recognize or allow ASC. **ASC may be declared only once and may not be revoked. ASC does not remove prior academic standings from a student's academic record.**

Graduate Students

Graduate Academic Probation

When graduate students have completed nine or more semester hours of graduate course work with a grade point average of less than 3.00, they may be placed on academic probation and are subject to dismissal from their program(s). These are the minimum university regulations governing scholastic probation for graduate students. Each college/school may set additional requirements for academic probation in its graduate programs.

Academic Second Chance

Academic Second Chance (ASC) is an appeal procedure for graduate students to request academic forgiveness for their courses. It applies to one or more terms within which a student earned grades lower than a *C*. If approved, the requested terms would be excluded when calculating the student's grade point average. No courses taken during the terms approved for ASC would apply toward requirements for a degree. For the purposes of this policy, "terms" may refer to semesters, shorter summer sessions, 8-week sessions, etc.

A graduate student who wishes to petition for ASC must submit a request on the official request form; however, individual graduate programs may have policies that limit the timing of an ASC request. Students may request ASC through their advisor by submitting the Request for Academic Second Chance (Graduate) and a justification letter that includes details about the extenuating circumstances that caused hardship during the term(s) for which ASC is requested, as well as identification of specific terms for ASC. The request must also be approved by the program coordinator, department chair (where applicable), collegiate graduate coordinator or academic dean, and the university graduate coordinator. The request may be denied at any level of the review. Student appeals of any decision will be handled by the Graduate Studies Committee of the Academic Council.

ASC courses remain a part of the transcript with a notation that academic second chance has been applied and those grades are not included in GPA calculations. ASC may impact VA education benefits awarded during those terms. Prior to ASC request, please contact the VA office.

The new GPA is the official GPA of the university. Students need to be aware that some schools, agencies, academic areas, organizations, and scholarship programs may not recognize or allow ASC. ASC may be declared only once per degree level and may not be revoked. ASC does not remove prior academic standings from a student's academic record.

Academic Appeals

Suspension Appeal

A student who has been academically suspended or dismissed and feels there were extenuating circumstances beyond his/her control which led to the suspension or dismissal, may request reinstatement for the following semester by submitting an Academic Suspension Appeal Form with supporting documentation to the Office of the Registrar. The Academic Suspension Appeal Form can be found on the Office of the Registrar website at www.murraystate.edu/registrar. Submitted academic suspension appeals will be heard by the Academic Appeals Board in May, August, and January. All appeals must be on file at least seven days before the first day of the semester for the appeal for reinstatement. **Being reinstated on academic probation does not remove prior academic standings from a student's academic record.** The decision of the Academic Appeals Committee is final.

Grade Appeal

Murray State University recognizes that differences of opinion or interpretation may arise between students and faculty members regarding the assignment of course grades. The university urges the student to first seek resolution through informal discussion with the appropriate faculty member. The following policy has been adopted as a formal avenue for the resolution of a student grievance or appeal, in the event that such differences cannot be resolved informally. The university recognizes the right of a student to present a grievance to an established committee and to have that grievance considered on its merit by an expeditious and orderly process. It should be noted that situations involving academic misconduct should be directed to the University Judicial Board.

Definitions

Complainant: one who files a grievance, complaint or appeal within the scope of this policy.
Respondent: one against whom a grievance is filed.
Days: counted when classes or exams are scheduled.
Faculty: all persons, whether full or part-time, who are responsible for, assist in, or administer the instructional program. (See Sec. 2.1 of the Faculty Handbook for a complete definition.)
Grievance: a written allegation or complaint that there has been a violation, misinterpretation, or improper application of existing policies, rules, regulations, practices, and/or procedures which a student believes to be unfair, inequitable, or a hindrance to that student's effective performance.

Limitations. *A grievance by the student must be initiated with the instructor within the first twenty (20) days of the semester immediately following the term during which the incident of grievance is alleged to have occurred, exclusive of summer session.*

Informal discussions with the appropriate chair and dean must take place within ten (10) days of the initial discussion with the instructor. Any special circumstance or request involving the time limitation set forth above will be considered and evaluated by the appropriate academic dean. Documentation of any revision of the time limitation will be included with the grade appeals form. **Under no circumstances will an appeal of a grade be accepted after one year from the end of the semester in which the grade was received.**

A faculty member has the responsibility to retain all course material and/or records not left in the student's possession which contribute to the final course grade. These materials must be kept for the 20-day period of the following semester during which a student may appeal a grade, or in the event of an appeal, until conclusion of the appeal process.

Procedures

Step 1: Before a formal grievance may be filed with the Academic Appeals Board, the complainant should first seek resolution through informal discussion with the instructor. In the event that the instructor is a teaching assistant, the faculty supervisor should also be present during these discussions.

Step 2: Should the matter not be resolved to the satisfaction of the complainant, informal discussion should be sought with the appropriate department chair. In the event that the chair is the respondent of the grievance, informal discussion will be held with the academic dean.

Step 3: Should the informal discussions as outlined above not prove satisfactory to the complainant, informal discussion should be sought with the appropriate academic dean, if the dean has not been previously consulted.

Step 4: Once all means of informal resolution on the collegiate level have been exhausted, the complainant should present a completed and signed grade appeal form with supporting documentation to the Registrar within fifteen (15) days of the initial discussion with the instructor. Grade appeal forms are available in the Office of the Registrar and on the Office of the Registrar's website www.murraystate.edu/registrar, and in the office of each collegiate dean.

Step 5: The Registrar shall immediately forward the grade appeal form to the chair of the Academic Appeals Board who in turn will notify the faculty member/respondent that a formal grievance has been filed. The faculty member/respondent will be provided a copy of the completed grade appeals form.

Step 6: The chair of the Academic Appeals Board shall convene that committee within twenty (20) days of the receipt of the grade appeals form. (The Academic Appeals Board is defined in Section 1.6.3.1 of the University Committee System.) Prior to the hearing, both complainant and respondent may elect to choose a university advisor(s) for the purposes of collecting data and/or presenting that individual's position to the board. Complainant and respondent have the right to be accompanied by their advisors during any open meeting of the board at which the board's agenda includes that particular grievance. The board holds the prerogative to call for pertinent testimony from any party involved in the grievance, or any party whom the board believes could clarify the grievance.

Step 7: Unless an extension of time is sought by the board, the written recommendation of the Academic Appeals Board shall be forwarded to the provost for final disposition. Copies of the recommendation and final decision by the provost shall be sent to the appropriate academic dean, the complainant, and the respondent, within

ten (10) days of the completion of the hearing, unless notified otherwise. Telephone notification to the complainant of the availability of the recommendation shall fulfill the terms of this requirement. The text of the recommendation and all pertinent testimony and gathered data shall be kept in confidence.

NOTE: If at any point in this process, the student alleges that actions have taken place that may be in violation of Murray State University Non-Discrimination Policies, this process must be suspended and the matter directed to the Office of Institutional Diversity, Equity and Access.

Academic Record and Transcript

The academic record is the unabridged academic history of a student. It contains a chronological academic history of all courses attempted at Murray State and accepted coursework from other accredited institutions. Grade point averages (GPAs) are recorded for each semester and a cumulative GPA is recorded for each level of coursework (undergraduate, graduate, ESL). If a student earns credit at the same level after completing a degree, the cumulative GPA will reflect all coursework prior to and after the degree was awarded.

For a fee, an official Murray State transcript of a student's **unabridged** academic history will be released at the student's written request and in compliance with existing state and federal statutes pertaining to the release of student academic records. The student may request a transcript for a specific level only (such as graduate-level coursework); otherwise, the student's transcript will contain all levels of attendance. Transcript(s) cannot be released with only a select course(s) or only a select degree(s). For transcript information, visit www.murraystate.edu/transcripts or contact the Office of the Registrar via email at msu.transcriptrequests@murraystate.edu. All transcript requests must be ordered online. An unofficial transcript can be viewed on the Academics tab of the student's *myGate* account at no charge.

The official academic record is the property of the university. Consequently, the university reserves the right to withhold the release of an official transcript of that record if the student has an obligation to the University (such as debt or incomplete admission). If the university withholds the release of the official transcript for these reasons the student may contact the Office of the Registrar to view his/her academic record; however, he/she will not be permitted to make photographs nor be given copies of their academic record. The university reserves the right to maintain the information contained in the permanent record according to established practice and in compliance with state and federal laws.

Documents received from third parties (including high school and college transcripts, test scores, etc.) are the property of Murray State University. These documents cannot be released by Murray State to other institutions or agencies nor can they be returned to the student. Students needing a copy of their high school transcripts, other school transcripts, test scores, etc., should contact the original source.

Enrollment and Degree Verification
Verification of enrollment, degree, and academic information may be requested on the Academics tab of the student's *myGate*. Verifications requested through *myGate* are processed the next business day. All other verifications are processed within 2-3 business days. Verifications are not available on demand. For more information, please email msu.verifications@murraystate.edu.

Family Educational Rights and Privacy Act (FERPA)
The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These records include:
1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access. Students should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed. Release of such information is at the discretion of the registrar.
2 .The right to request the amendment of the student's education records that are believed to be inaccurate or misleading. The student should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for an amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing. See the section on *General Student Complaint Procedure and Request to Amend an Educational Record* in Chapter 1.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

The University discloses education records without the student's prior written consent under FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); the University attorney; appropriate community safety and emergency personnel to whom information regarding students is to be provided pursuant to KRS 164.9495; a contractor, consultant, volunteer, or other person or entity to which the University has outsourced institutional services or functions, and who is limited as to use, maintenance, and re-disclosure of information; a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Regents; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

In addition to the above listing, the following groups are specifically recognized as “school officials” within the definition of FERPA for the limited purpose of receiving at any time listings of names and addresses of students, including incoming students, and/or student directory information: MSU Alumni Association; Murray State University Foundation, Inc; a person or company who performs a service for MSU that serves a legitimate educational interest; authorized representatives of federal or state-supported education programs if disclosure is in connection with an audit or evaluation of supported programs or for the enforcement of or compliance with legal requirements that relate to those programs.
A school official has a legitimate educational interest if the official needs to review or receive any education record in order to fulfill his or her professional responsibility or if the service to or for MSU is of a type that MSU would normally perform itself including one which Murray State has outsourced.

As of January 3, 2012, the U.S. Department of Education’s FERPA regulations expand the circumstances under which your education records and personally identifiable information (PII) contained in such records — including your Social Security Number, grades, or other private information — may be accessed without your consent. First, the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or state and local education authorities (“Federal and State Authorities”) may allow access to your records and PII without your consent to any third party designated by a Federal or State Authority to evaluate a federal- or state-supported education program. The evaluation may relate to any program that is “principally engaged in the provision of education,” such as early childhood education and job training, as well as any program that is administered by an education agency or institution. Second, Federal and State Authorities may allow access to your education records and PII without your consent to researchers performing certain types of studies, in certain cases even when we object to or do not request such research. Federal and State Authorities must obtain certain use-restriction and data security promises from the entities that they authorize to receive your PII, but the Authorities need not maintain direct control over such entities. In addition, in connection with Statewide Longitudinal Data Systems, State Authorities may collect, compile, permanently retain, and share without your consent PII from your education records, and they may track your participation in education and other programs by linking such PII to other personal information about you that they obtain from other Federal or State data sources, including workforce development, unemployment insurance, child welfare, juvenile justice, military service, and migrant student records systems.

FERPA allows the institution to routinely release information defined as “directory information.” The following student information is included in the definition of directory information: the student’s name, addresses, telephone listings, campus e-mail address, date and place of birth, field(s) of study, photograph, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, enrollment status (including full-time, part-time, not enrolled), degrees (pending and received), awards or honors received and the most recent previous educational institution attended. When a student wants the directory information to remain confidential, an official request form must be completed in the Office of the Registrar. That request remains in force until such a time as a formal written statement is received from the student rescinding that request.

Murray State will release directory information to school officials or others with a legitimate educational interest.
4. The right to file a complaint with the Family Compliance Office of the United States Department of Education concerning an alleged failure by Murray State University to comply with the provisions of FERPA.
a) The complaint must contain specific allegations of fact giving reasonable cause to believe that a FERPA violation has occurred. A complaint does not have to allege that a violation is based on a policy or practice at MSU.
b) To be timely, a complaint should be submitted to the Family Compliance Office within 180 days of the date of an alleged violation. The Family Compliance Office may extend the time limit for good cause shown.
c) The complaint may be filed at: Family Compliance Office, U.S. Department of Education, 400 Maryland Ave, S.W., Washington D.C., 20202.

Students may choose to release non-directory (confidential) information to certain individuals by completing the *Consent to Release Student Information* process on their *myGate*. Non-directory information cannot be released via phone or email to anyone, including the student, without consent on *myGate*. A photo ID is required to release non-directory information to the student in person.

Academic Degrees, Programs, and University Studies

The Office of the Registrar

(270) 809-5630 or 1-800-272-4678 ext. 1

msu.registrar@murraystate.edu

msu.registration@murraystate.edu

Degrees and Certificates
Murray State University confers the following degrees:
• **Associate:** Associate of Arts (AA) and Associate of Science (AS)
• **Baccalaureate:** Bachelor of Arts (BA), Bachelor of Arts in Business (BAB), Bachelor of Fine Arts (BFA), Bachelor of General Studies (BGS), Bachelor of Integrated Studies (BIS), Bachelor of Music (BM), Bachelor of Science (BS), Bachelor of Science in Agriculture (BSA), Bachelor of Science in Business (BSB), Bachelor of Science in Engineering (BSE), Bachelor of Science in Nursing (BSN), and Bachelor of Social Work (BSW)
• **Master's:** Master of Arts (MA), Master of Arts in Education (MAEd), Master of Arts in Teaching (MAT), Master of Business Administration (MBA), Master of Fine Arts (MFA), Master of Music Education (MME), Master of Public Administration (MPA), Master of Science (MS), and Master of Science in Information Systems (MSIS)
• **Specialist:** Specialist in Education (EdS)
• **Doctorate:** Doctor of Arts (DA), Doctor of Education (EdD), Doctor of Nursing Practice (DNP)
• **Certificate:** Please visit www.murraystate.edu for a complete list of certificates available.

Definitions

The University approved academic programs of study listed in the collegiate/school chapters in this *Academic Bulletin* are the only ones that may be declared by students eligible to follow this *Academic Bulletin*.

Undergraduate

Courses may not be shared between areas, majors, and minors unless specifically noted below. The minimum number of hours indicated below must be unduplicated for each.

• **Area:** An area is an approved program of study that requires a minimum of 48 hours of credit, 15 of which must be upper-level, in addition to University Studies courses, and can be completed in lieu of a major-minor combination.

• **Major:** A major is an approved program of study that requires a minimum of 30 semester hours of credit, 9 of which must be upper-level, in addition to University Studies courses and must be accompanied by a unique minor or second major.

• **Minor:** A minor is an approved program of study of a minimum of 21 semester hours of credit, six of which must be upper-level, completed in conjunction with an area or a major to apply toward a degree.

• **Collateral courses:** Courses that may be shared between areas, majors, and minors.

• **Core:** A set of courses that are common among all concentrations or tracks of a particular program of study. These courses may not be shared between areas, majors, and minors.

• **Concentration or Emphasis:** A set of courses that is unique to a specific track of study within a particular program. These courses cannot be shared between areas, majors, and minors.

• **Co-Requirement:** Courses that may be shared between areas, majors, and minors.

• **Support courses:** Courses that support the knowledge needed within the program of study. If the area/major or minor has more than the minimum number of required hours, support courses may be shared between areas, majors, and minors.

Graduate

• **Doctorate Degree:** Advanced degree of graduate study consisting of a minimum of 60 graduate hours approved of concentrated and approved coursework beyond a bachelor’s degree or 30 hours of post master’s credit of concentrated and approved coursework. Individual programs may require additional hours.

• **Specialist Degree:** Advanced degree of study consisting of a minimum of 60 graduate hours of concentrated and approved coursework beyond a bachelor’s degree.

• **Master’s Program:** A graduate program of study consisting of a minimum of 30 graduate hours.

Certificates

Certificate programs are a specialized set of courses emphasizing a professional skill or knowledge base offered by Murray State University. Certificate programs enhance an existing degree discipline or provide additional educational background in a new field or profession. The requirements for admission vary by program and typically range from 12 to 21 credit hours. Successful completion of certificate program requirements

will be posted to the student's transcript. The maximum completion time allowed is eight years from the start of certificate coursework. Certificate programs are neither degree programs nor teacher certification programs.

Program

The Council on Postsecondary Education (CPE) has defined certain terminology for portions of a program that vary by degree level.

• **Track:** A track is a set of courses designed to develop expertise within a major or area at the undergraduate level.

• **Concentration:** A concentration is a set of courses designed to develop expertise within a major or area at the master's level.

• **Specialization:** A specialization is a set of courses designed to develop expertise within a major at the doctoral level. Tracks, Concentrations, and Specializations are noted on the academic transcript as "Concentration."

Pre-Professional Curriculum Advisors

The university offers baccalaureate programs that serve as pre-professional academic foundation for the professional areas listed below. Students interested in the details of a specific program should consult with the advisor listed.

• **Architecture:** Kevin Perry, Institute of Engineering.

• **Dentistry:** Dr. Gary ZeRuth, Department of Biological Sciences; Dr. Ricky Cox, Department of Chemistry.

• **Chiropractic:** Dr. Miranda Terry, Department of Applied Health Sciences.

• **Engineering:** Dr. Ted Thiede, Institute of Engineering.

• **Equine Chiropractic:** J.D. Van Hooser, Department of Animal and Equine Science.

• **Forensics:** Dr. Daniel Johnson, Department of Chemistry.

• **Law:** Dr. Alkatib Ihsan, Department of Political Science and Sociology.

• **Medicine:** Dr. David Canning, Department of Biological Sciences; Dr. Ricky Cox, Department of Chemistry.

• **Occupational Therapy:** Dr. Sherri Powers, Department of Applied Health Sciences.

• **Optometry:** Dr. Sterling Wright, Department of Biological Sciences.

• **Pharmacy:** Dr. Gary ZeRuth, Department of Biological Sciences; Dr. Wafaa Fawzy, Department of Chemistry.

• **Physical Therapy:** Dr. Michael Flinn, Department of Biological Sciences; Dr. Miranda Terry, Department of Applied Health Sciences.

• **Physician Assistant:** Dr. Chris Trzepacz, Department of Biological Sciences; Dr. Miranda Terry, Department of Applied Health Sciences.

• **Pre-Health Professions:** Dr. Miranda Terry, Department of Applied Health Sciences.

• **Speech-Language Pathology:** Susan Brown, Center for Communication Disorders.

• **Veterinary Medicine:** Dr. Terry Canerdy and Dr. William DeWees, Department of Veterinary Technology and Pre-Veterinary Medicine.

Undergraduate Degree Policies and Procedures

General Degree Requirements

Degree Credit

The following courses **do not count** toward the credit hours required for graduation but **are included in calculating GPAs** (other courses may be added in the future):

All ESL and CEC courses, courses in which a student earned a grade of *E* or *I*; multiple enrollments in a course that exceed the number of permissible attempts specified in the course description, and developmental courses listed in Mandatory Developmental Courses section later in this chapter. Refer to the Repeat Policy found in *Academic Policies and Procedures*. **The GPA that is calculated at the time a degree is conferred and recorded will not be changed by subsequent coursework, including repeated courses.** A grade of *I* must be changed within five weeks after the semester ends for students pending graduation; otherwise, graduation will be delayed until the next semester, with the deadline for completing the work being October 15 for spring and summer *I* grades and March 15 for fall and winter *I* grades, whichever is applicable. Grades may not be changed after the degree is conferred.

The following courses **do not count** toward the credit hours required for graduation, and **are not included in GPA calculations**: audited courses, courses with a grade of *R* or *W*, courses approved for Academic Second Chance, and courses taken at another institution that are determined to be nontransferable.

Residence Credit for Graduation

Undergraduate residence credit is any academic credit awarded by Murray State University and placed on students' transcripts after they enroll with Murray State University. Nonresidence credit is any academic credit that Murray State accepts as transfer credit from another college or university, including credit through the National Student Exchange and the International Student Exchange programs. (See section on *Transfer Credit*.)

Undergraduate Certificates

A candidate for an undergraduate certificate must complete a minimum of 12 semester hours. A minimum of nine semester hours must be earned in residence at Murray State. The certificate candidate must have a grade point average of at least 2.00: (1) in all credits presented for the certificate program whether earned at Murray State or elsewhere (cumulative GPA); and (2) in all credits for the certificate program completed at Murray State. Graduation honors are not posted for certificate programs.

Undergraduate Certificates may be awarded: (1) prior to completion of a baccalaureate degree; (2) in the same semester as a baccalaureate degree; or (3) after a baccalaureate degree is awarded. Courses may be shared between an undergraduate certificate program and an area, major, or minor. Post-baccalaureate transfer work will not be posted to the student's academic record until the Undergraduate Certificate is conferred. Only the transfer work specifically required for the certificate will be posted.

All students seeking an undergraduate certificate must be appropriately admitted/readmitted to Murray State and must have the specific program plan pre-approved by the department chair and dean of the certificate program. Undergraduate courses do not expire; however, some certificate programs may have time limitations for specific courses within the program. The department has the right to reject courses if the courses were not completed within an appropriate time frame as determined by the academic department. Failure to seek approval in advance from these parties will

likely result in the undergraduate certificate not being awarded.

The application for the Undergraduate Certificate Completion, available on *myGate*, and processing fee are due by May 1st (spring graduation), December 1st (fall and winter graduation), or August 1st (summer graduation). Undergraduate Certificate Program forms must be completed by the appropriate undergraduate certificate program advisor and submitted to the Office of the Registrar prior to certificate conferral. After the student successfully completes all courses towards the certificate program, the certificate completion will be posted to the Murray State transcript. No document will be printed and/or mailed to the student.

Associate Degree
A candidate for an associate degree must complete a prescribed, planned specialty program with a minimum of 19 semester hours chosen from the University Studies component. The minimum amount of credit required for an associate degree is 60 semester hours. A minimum of 24 semester hours must be earned in residence at Murray State. The associate degree candidate must have a grade point average of at least 2.00: (1) in credits presented for graduation whether earned at Murray State or elsewhere (cumulative GPA); (2) in all credits completed at Murray State; and (3) in the courses completed for the planned specialty program. Graduation honors are not posted for associate degrees.

Second Associate Degree
A student who has earned or is seeking an associate degree from Murray State may earn a second associate degree in a different planned specialty program upon meeting course requirements for that degree and upon completing at least 24 additional hours in residence at Murray State, over and above requirements for the first degree. The student may be required to complete additional University Studies courses if they are specifically required for the intended second degree. Nine hours must be completed toward a new planned specialty program and GPA requirements are the same as required for the first associate degree.

All students seeking a second degree must apply for admission/ readmission to Murray State University and must have the specific program plan pre-approved by the department chair and dean of their new area or major and by the Office of the Registrar. Failure to seek approval in advance from these three parties will likely result in a second degree not being awarded as not all areas and majors will be possible for those seeking the second degree.

Baccalaureate Degree
A candidate for a baccalaureate degree must complete a minimum of 120 degree-applicable semester credit hours. A minimum of 40 hours must be earned in residence at Murray State. A candidate for the Bachelor of Integrated Studies degree will require 32 hours to be earned in residence at Murray State.

At least 42 semester hours of the 120 hours required for a baccalaureate degree must be earned in courses at the 300-level or above (upper-level

courses); Bachelor of Integrated Studies requires at least 39 semester hours to be earned at the 300-level or above. No more than six hours in cooperative education courses will apply toward minimum graduation requirements (some departments have further restrictions). Other courses with limits on their application toward graduation are so designated in their course descriptions.

A student completing a degree in a field that is a non-AACSB accredited business program may not take more than 25 percent of the total hours required for that degree in any combination of the following business prefixes/courses: ACC, BAC, BUS, CIS, FIN, LSC, MGT, MKT, RES, or COM 340, COM 439, JMC 391, JMC 394, LST 240, LST 440, and POL 442.

All students seeking a baccalaureate degree must complete the University Studies requirements as outlined later in this chapter. **Transfer students should refer to the transfer section in *Undergraduate Admissions* of this *Academic Bulletin* for important information on University Studies courses.** Also, each candidate for a baccalaureate degree must complete either 1) an area; 2) a major plus a minor; 3) a major plus a second major; or 4) a major plus an area. Courses of an appropriate nature may apply toward University Studies requirements and either a major or a minor without additional courses being required in that major or minor. **A minimum of nine hours in the major(s), six hours in the minor(s), and 15 hours in the area(s), must be in upper-level courses.**

The baccalaureate degree candidate must have a GPA of at least 2.00: (1) in all credits presented for graduation whether earned at Murray State or elsewhere (cumulative GPA); (2) in all credits completed at Murray State; and (3) in the courses for each major, minor or area.

Professional Degree Transfers
A student who completes three years (90 semester hours) of appropriate pre-professional courses at Murray State and then enters an accredited professional school to pursue an advanced degree in dentistry, engineering, law, medicine, optometry, theology, veterinary science, or similar program may apply the courses from the first year of professional school (up to 32 semester hours) toward a Murray State baccalaureate degree. All MSU University Studies, departmental, and other graduation requirements must be met.

Second Baccalaureate Degree
Students who have earned or are seeking a baccalaureate degree may earn a second baccalaureate degree in a different major or area. The student must complete a minimum of 32 new semester hours in residence at Murray State University, exclusive of hours taken toward requirements of the first degree, including any specific departmental requirements, prerequisites, and co-requirements. A student completing a new major toward a second degree is not required to complete a new minor. Fifteen semester hours of upper-level courses must be earned in completion of the new area or major. The student may be required to complete additional University Studies courses if they are specifically required for the intended second major or area. Post-

baccalaureate transfer work will not be posted to the student's academic record until their degree is conferred. Only the transfer coursework required for the second degree will be posted. The second baccalaureate degree candidate must have a GPA of at least 2.00: 1) in all credits present for graduation whether earned at Murray State or elsewhere (cumulative GPA); 2) in all credits presented for graduation that were completed at Murray State; and 3) in the courses for each major, minor, or area.

All students seeking a second degree must be appropriately admitted/readmitted to Murray State University and must have the specific program plan pre-approved by the department chair and dean of their new area or major and by the Office of the Registrar. Failure to seek approval in advance from these three parties will likely result in a second degree not being awarded as not all areas and majors will be possible for those seeking a second degree. The Bachelor of General Studies and the Bachelor of Integrated Studies degree are only available as a first baccalaureate degree.

See the *Academic Honors for Graduation* section in this chapter for information regarding academic honors for second degrees.

RACR - Racer Academic Completion Report

The Racer Academic Completion Report (RACR) is available to undergraduate associate and baccalaureate students to describe the steps and courses needed to achieve a degree.

The RACR is available through *myGate* and should be used in conjunction with information from the student's advisor and the *Academic Bulletin* to ensure all graduation requirements are being met. "What-if" audits are also available through *myGate* for students to explore the requirements needed should they decide to change degree objectives or add/delete areas, majors, or minors.

It is the student's responsibility to verify all requirements have been completed and to question any information they do not understand. The RACR is not available to graduate students or students seeking a second baccalaureate degree.

Program, Advisor and Catalog Assignments

Students are expected to confer regularly with their academic advisors in conjunction with reviewing their RACR prior to the actual time of registration each semester. Although the student advising program at Murray State University is specifically designed to assist students as they progress through a degree program, it is the responsibility of all students to be thoroughly familiar with the university's *Academic Bulletin*, student handbook, and all rules, regulations and requirements that apply to their programs of study. Decisions made in connection with these resources are the sole responsibility of the student.

Each student is initially assigned an academic advisor based upon the major indicated

by the student on the application for admission. Undergraduate students who have not declared a specific major are assigned to the Center for Academic Advising. After enrolling, a student may apply for a change of area, major, minor, advisor, or degree objective by filling out an undergraduate change of major/advisor form, which may be obtained online. To have a major changed, the student must be eligible for the degree level and major selected and meet admission requirements for that program, if applicable. If approved, a faculty member in the department of the new major will be assigned as the advisor, the Office of the Registrar will be notified of the change, and all records will be updated. Current information about a student's area, major, or minor can be found on *myGate*. Departments reserve the right to require the most current catalog requirements of students switching to a new major. Students who were admitted to Murray State as non-degree seeking will have to complete the admission process to change to degree-seeking.

Students are assigned to the latest *Academic Bulletin* (catalog) in effect at the time they apply for admission but may choose to move to a more current *Academic Bulletin* or be required to move to a more current *Academic Bulletin* if they change majors. Students who are readmitted or transferring to Murray State may declare any active *Academic Bulletin* since their initial enrollment at any accredited institution. The students will have the same catalog year for their degree, area/major, and/or minor.

Application for Degree

Degrees are awarded in December (following the fall term), winter (following the winter term), May (following the spring term), and August (following the summer term). Students must apply for graduation and pay a non-refundable degree fee via *myGate*. Students planning to graduate in December must apply by April 1; winter graduates must apply by October 1; May graduates must apply by November 1; and August graduates must apply by March 1. (See deadlines listed on *myGate* for specific dates.) Students who will finish their coursework during the summer term must apply for August graduation, not May, since degree requirements will not be satisfied by May.

A summary of graduation status is furnished to the student and advisor by the Office of the Registrar via email. All communication regarding graduation status and outstanding degree requirements will be sent to the student and advisor through MSU email only. If the student does not meet graduation requirements, the application will automatically be moved to the next graduation term. Should the student fail to meet the degree requirements by the deadline for that graduation term, the student's name will be removed from the pending graduation list. It will then be the student's responsibility to submit a NEW Graduation Application via *myGate* by the deadline for the term in which the student plans to graduate. The new application will result in another degree fee.

Degree Applications may be submitted after the published deadline ONLY with prior approval of the Office of the Registrar. An additional late fee will be required.

Academic Honors for Graduation

Baccalaureate degree candidates are considered for graduation honors if they have

earned a minimum of 40 semester hours in residence at Murray State University and also must have earned the required GPA indicated: 1) on Murray State course work alone, and 2) overall including transfer work. The honors distinctions are: Summa cum laude — minimum of 3.80; Magna cum laude — 3.60 - 3.79; and Cum laude — 3.40 - 3.59.

Students will have their honor status published and announced at the appropriate Commencement ceremony. Honors cords may be purchased at the University Store.

Honors that appear in the commencement program are calculated at the end of the previous semester. Honors printed on the diploma and academic record will reflect the final GPA after all degree requirements have been met. Honors distinction is based on the current *Academic Bulletin* requirements, not individual students' catalogs.

Contact Public Relations and Photo Services, 412 Sparks Hall, for help with a press release for the student's hometown media outlets.

Second Degree Honors
Students seeking an honors designation for their second degree must follow the honors requirements for a first degree, including the completion of a total of 40 new hours in residence at Murray State and have earned the required GPA listed in the *Academic Honors for Graduation* section. Only courses used to satisfy the new degree requirements are included for second degree honors calculations.

Departmental Graduation Requirements
Individual departments, with the appropriate university approval, may set admission or graduation standards which are higher (but not lower) than the minimum university-wide standards. It shall be the responsibility of the department to inform students of these more stringent requirements, to publish them in the *Academic Bulletin*, and to monitor their completion.

Commencement
A student must apply for graduation and be recommended for the degree to the Board of Regents of Murray State University before any degree is conferred. Graduation requirements for a student are defined by one specific *Academic Bulletin* (University Studies, area/major/minor requirements must be from the same *Academic Bulletin*). Each *Academic Bulletin* expires in August of the seventh year from the year of publication. No student will be graduated under the requirements of an *Academic Bulletin* that has expired.

Formal commencement exercises are held at the end of the spring and fall semesters. August graduates are included in the May graduation ceremony of the same year and winter graduates are included in the December ceremony (prior to the start of the winter term). Academic honors for August graduates will appear only in the May program. Academic regalia is required and may be purchased at the University Store. For more information, visit www.murraystate.edu/commencement.

Senior Salute
Senior Salute is hosted by the University Store in the fall and spring semesters for students participating in that semester's commencement. Representatives from the Office of the Registrar, Bursar's Office, Financial Aid, Career Services, Alumni Association, and the photographer are present to answer questions and help students with commencement regalia, invitations and other graduation questions.

Diplomas
A student must have satisfied all debts to the university or the diploma will be held until the student's account is cleared. Associates, baccalaureate, masters and specialists diplomas are 11x14 inches and contain the name of the graduate (no nicknames), the degree received, and honors if applicable. Details about areas, majors, and minors appear on the academic record only. Doctoral diplomas are 12X17 inches and contain the name of the graduate (no nicknames) and the degree received.

University Studies Program
Murray State's University Studies program is based on an interdisciplinary approach that reinforces the *Characteristics of the MSU Graduate*. The program relies on a thematic structure that places emphasis on the connectedness of learning, rather than on the more traditional discipline-centered approach to knowledge. University Studies, for example, sets the stage for helping students learn how to communicate in the twenty-first century by requiring all students take COM 161 Public Speaking as well as the four-hour ENG 105 course in Critical Reading, Writing, and Inquiry. In addition, all academic majors have designated writing and technology-intensive courses within their programs so students will continue to write throughout their academic careers.

Courses within the program encourage students to understand the ways in which important ideas straddle many disciplines, and to experience and value the unique lens of each one. Students learn to think independently and creatively while applying sound standards of information gathering, analysis, and evaluation to reach logical decisions. These foundational approaches provide the basis for students to write well and to speak clearly and coherently.

Through a broad array of course selections in mathematics and the physical and life sciences, Murray State University undergraduates will become familiar with the roles and applications of science and technology for imagining solutions of the problems facing a complex and changing world. In addition, students will gain a critical understanding of the world's historical, literary, philosophical, and artistic traditions. To ensure this dynamic perspective, students are required to take a 200-level World Civilization course to compliment the required sophomore-level Humanities course. To emphasize the importance of developing cross-cultural awareness, knowledge of a second world language holds a key place in all BA degrees awarded at Murray State; and taking a course in a global language is also an option for the BS degrees.

In other thematic categories, students will be able to select from among a number of courses that will help them to better understand the complexity of cultural diversity, of competing economic and political systems, and of complex moral and ethical issues in

our increasingly interconnected world. Learning how to live an ethical life and to assume social responsibility are also built into the program through a number of selected courses in another thematic area.

Certain programs may require specific University Studies courses to be completed in order to meet program requirements. These specifically required University Studies courses apply toward the number of credits for the program and are reflected in the program grade point average.

Transfer students should refer to the section on transfer of credits in *Undergraduate Admissions* for important additional University Studies information as they may not be required to complete all of the courses specified below.

English Composition Registration

Students fulfill a portion of the Oral and Written Communication category of University Studies by the successful completion of ENG 105 Critical Reading, Writing, and Inquiry. Because ENG 105 is a prerequisite for subsequent University Studies requirements, students should enroll in the course during their first year. Students qualify for ENG 105 on the basis of credits earned or the English and Reading subscores of the ACT examination.

• Students with an ACT English score of 18 or above and an ACT Reading score of 20 or above are eligible to enroll in ENG 105.
• Students with an ACT English score of 17 or below are required to enroll in ENG 111 concurrently with ENG 105.
• Students with an ACT Reading score of 19 or below are required to enroll in REA 112 concurrently with ENG 105.

Refer to the ENG 105 course description. International students admitted unconditionally may register for ENG 105.

Composition credit may also be earned through the Advanced Placement Program. A score of 3 on the AP English Language/Composition exam or on the English Literature exam will give the student credit for ENG 101 (3 hours), but the student must still complete ENG 105. A score of 4 or 5 on these exams will give the student credit for ENG 105.

ENG 101 credit will be granted for a CLEP English general exam score report of at least 50 or an English subject exam score report of at least 50. NOTE: Students who have completed both ENG 101 and 102 have satisfied the ENG 105 requirement. The combination of ENG 101 and 102 repeats ENG 105. ENG 105 repeats the combination of ENG 101 and 102. Only the last sequence completed (ENG 101/102 or ENG 105) will be calculated in the overall GPA and count towards hours earned. Transfer students who have completed the first-year writing requirement at another university should see the composition coordinator about satisfying the ENG 105 requirement.

Mandatory Corequisite Courses
All Kentucky state-supported colleges and universities are required by the Council on Postsecondary Education to enroll freshmen in a subject-specific corequisite course when the student's ACT/SAT scores do not meet minimum standards. Refer to *Undergraduate Admissions* for requirements.

University Studies Requirements by Degree Type

Bachelor of Arts (BA)
University Studies Requirements: 41-44 hours

Oral and Written Communication (7 hours)
COM 161 [or HON 165] - 3 hours
ENG 105 [or ENG 150] - 4 hours

Global Awareness, Cultural Diversity, and the World's Artistic Traditions (9 hours)
Modern language courses (single language), attaining a 202-level proficiency - 6 hours*
One University Studies elective in this category - 3 hours

Scientific Inquiry, Methodologies, and Quantitative Skills (7-10 hours)
One University Studies science course with lab - 4-5 hours
One University Studies mathematics course - 3-5 hours

Social and Self-Awareness and Responsible Citizenship (6 hours)
One Ethics, Social Responsibility and Civic Engagement category course - 3 hours
One Social Science category course - 3 hours

World's Historical, Literary, and Philosophical Traditions (9 hours)
CIV 201 or CIV 202 [or HON 201 or 202] - 3 hours
HUM 211 [or HON 251] - 3 hours

One University Studies elective in this category - 3 hours

University Studies Approved Elective (3 hours)
Choose from the list of University Studies electives

*To reach proficiency at the 202-level, a student may have to complete up to six hours of 100-level prerequisites.
NOTE: Specifically required University Studies courses may be required for certain degrees or programs.

Bachelor of Science
(BS, BSA, BSE, BSN, BSW)
University Studies Requirements: 38-43 hours

Oral and Written Communication (7 hours)
COM 161 [or HON 165] - 3 hours
ENG 105 [or ENG 150] - 4 hours

Global Awareness, Cultural Diversity, and the World's Artistic Traditions (3 hours)
One University Studies elective in this category - 3 hours

Scientific Inquiry, Methodologies, and Quantitative Skills (10-15 hours)
One University Studies science course with lab - 4-5 hours
One University Studies mathematics course - 3-5 hours
One University Studies science or mathematics course - 3-5 hours

Social and Self-Awareness and Responsible Citizenship (6 hours)
One Ethics, Social Responsibility and Civic Engagement category course - 3 hours
One Social Science category course - 3 hours

World's Historical, Literary, and Philosophical Traditions (6 hours)
CIV 201 or CIV 202 [or HON 201 or 202] - 3 hours
HUM 211 [or HON 251] - 3 hours

University Studies Approved Electives (6 hours)
Choose from the list of University Studies electives.

NOTE: Specifically required University Studies courses may be required for certain degrees or programs.

Bachelor of Arts in Business (BAB)

University Studies Requirements: 44-49 hours

Oral and Written Communication (7 hours)
COM 161 [or HON 165] - 3 hours
ENG 105 [or ENG 150] with a minimum grade of *C* - 4 hours

Global Awareness, Cultural Diversity, and the World's Artistic Traditions (9 hours)
Modern language courses (single language), attaining a 202-level proficiency - 6 hours*
One University Studies elective in this category - 3 hours

Scientific Inquiry, Methodologies, and Quantitative Skills (10-15 hours)
One University Studies science course with lab - 4-5 hours
One University Studies math or science course - 3-5 hours
MAT 220 or MAT 250 - 3-5 hours

Social and Self-Awareness and Responsible Citizenship (6 hours)
One Ethics, Social Responsibility and Civic Engagement category course - 3 hours
ECO 230 - 3 hours

World's Historical, Literary, and Philosophical Traditions (6 hours)
CIV 201 or CIV 202 [or HON 201 or 202] - 3 hours
HUM 211 [or HON 251] - 3 hours

University Studies Approved Electives (6 hours)
CSC 199 - 3 hours
ECO 231 - 3 hours

*To reach proficiency at the 202-level, a student may have to complete up to six hours of 100-level prerequisites.
NOTE: Specifically required University Studies courses may be required for certain degrees or programs.

Bachelor of Science in Business (BSB)

University Studies Requirements: 38-43 hours

Oral and Written Communication (7 hours)
COM 161 [or HON 165] - 3 hours
ENG 105 [or ENG 150] with a minimum grade of *C* - 4 hours

Global Awareness, Cultural Diversity, and the World's Artistic Traditions (3 hours)
One University Studies elective course in this category - 3 hours

Scientific Inquiry, Methodologies, and Quantitative Skills (10-15 hours)
One University Studies science course with lab - 4-5 hours
One University Studies math or science course - 3-5 hours
MAT 220 or MAT 250 - 3-5 hours

Social and Self-Awareness and Responsible Citizenship (6 hours)
One Ethics, Social Responsibility and Civic Engagement category course - 3 hours
ECO 230 - 3 hours

World's Historical, Literary, and Philosophical Traditions (6 hours)
CIV 201 or CIV 202 [or HON 201 or 202] - 3 hours
HUM 211 [or HON 251] - 3 hours

University Studies Electives (6 hours)
CSC 199 - 3 hours
ECO 231 - 3 hours

NOTE: Specifically required University Studies courses may be required for certain degrees or programs.

Bachelor of Fine Arts (BFA)

Art Tracks

University Studies Requirements: 35-38 hours

Oral and Written Communication (7 hours)
COM 161 [or HON 165] - 3 hours
ENG 105 [or ENG 105] - 4 hours

Global Awareness, Cultural Diversity, and the World's Artistic Traditions (3 hours)
ART 211 or ART 213 - 3 hours

Scientific Inquiry, Methodologies, and Quantitative Skills (7-10 hours)
One University Studies science course with lab - 4-5 hours
One University Studies mathematics course - 3-5 hours

Social and Self-Awareness and Responsible Citizenship (6 hours)
One Ethics, Social Responsibility and Civic Engagement category course - 3 hours
One Social Science category course - 3 hours

World's Historical, Literary, and Philosophical Traditions (6 hours)
CIV 201 or CIV 202 [or HON 201 or 202] - 3 hours
HUM 211 [or HON 251] - 3 hours

University Studies Approved Electives (6 hours)
ART 212 - 3 hours
One elective from the list of University Studies electives - 3 hours

NOTE: Specifically required University Studies courses may be required for certain degrees or programs.

Bachelor of Fine Arts (BFA)

Creative Writing Tracks

University Studies Requirements: 44-47 hours

Oral and Written Communication (7 hours)
COM 161 [or HON 165] - 3 hours
ENG 105 [or ENG 150] - 4 hours

Global Awareness, Cultural Diversity, and the World's Artistic Traditions (9 hours)
Modern language courses (single language), attaining a 202-level proficiency - 6

hours*
One University Studies elective in this category - 3 hours

Scientific Inquiry, Methodologies, and Quantitative Skills (7-10 hours)
One University Studies science course with lab - 4-5 hours
One University Studies mathematics course - 3-5 hours

Social and Self-Awareness and Responsible Citizenship (6 hours)
One Ethics, Social Responsibility and Civic Engagement category course - 3 hours
One Social Science category course - 3 hours

World's Historical, Literary, and Philosophical Traditions (9 hours)
CIV 201 or CIV 202 [or HON 201 or 202] - 3 hours
HUM 211 [or HON 251] - 3 hours
One University Studies elective in this category - 3 hours

University Studies Approved Electives (6 hours)
ENG 214 - 3 hours
One elective from the list of University Studies electives - 3 hours

*To reach proficiency at the 202-level, a student may have to complete up to six hours of 100-level prerequisites.
NOTE: Specifically required University Studies courses may be required for certain degrees or programs.

Bachelor of Music (BM)

University Studies Requirements: 32-34 hours

Oral and Written Communication (7 hours)
COM 161 [or HON 165] - 3 hours
ENG 105 [or ENG 150] - 4 hours

Global Awareness, Cultural Diversity, and the World's Artistic Traditions (6 hours)
One course from the following:
ART 105, 121, 211 or 212 - 3 hours
One University Studies elective course in this category - 3 hours

Scientific Inquiry, Methodologies, and Quantitative Skills (7-9 hours)
One University Studies science course with lab - 4 hours
One University Studies mathematics course - 3-5 hours

Social and Self-Awareness and Responsible Citizenship (6 hours)
One Ethics, Social Responsibility and Civic Engagement category course - 3 hours
One Social Science category course - 3 hours

World’s Historical, Literary, and Philosophical Traditions (6 hours)
CIV 201 or CIV 202 [or HON 201 or 202] - 3 hours
HUM 211 [or HON 251] - 3 hours

NOTE: Specifically required University Studies courses may be required for certain degrees or programs.

Bachelor of Integrated Studies (BIS)

University Studies Requirements: 38-41 hours

Oral and Written Communication (7 hours)

ENG 105 [or ENG 150] - 4 hours

One University Studies elective in this category - 3 hours

Global Awareness, Cultural Diversity, and the World’s Artistic Traditions (3 hours)
One University Studies elective in this category - 3 hours

Scientific Inquiry, Methodologies, and Quantitative Skills (7-10 hours)
One University Studies science course with lab - 4 hours
One University Studies mathematics course - 3-5 hours

Social and Self-Awareness and Responsible Citizenship (6 hours)
One Ethics, Social Responsibility and Civic Engagement category course - 3 hours
One Social Science category course - 3 hours

World’s Historical, Literary, and Philosophical Traditions (6 hours)
CIV 201 or CIV 202 [or HON 201 or 202] - 3 hours
HUM 211 [or HON 251] - 3 hours

University Studies Approved Electives (10-12 hours)
Choose 9 hours from the list of University Studies electives.

Note: No more than two courses from any single thematic category will apply in the electives requirement.

Associate Degrees (AA, AS)

A variety of programs of study leading to associate degrees are offered through several colleges. Please see the appropriate collegiate/school section of this *Academic Bulletin* for additional details.
Students enrolled in associate degree programs have the same privileges as other undergraduate students. Students are eligible for financial aid in the form of grants,

loans, or work study, and in some cases are eligible to apply their coursework taken at Murray State toward a baccalaureate degree. Entrance requirements for associate degree students are the same as those that apply to other undergraduate students.

University Studies Requirements: 19-21 hours

Oral and Written Communication (7 hours)
COM 161 [or HON 165] - 3 hours
ENG 105 [or ENG 150] - 4 hours

Global Awareness, Cultural Diversity, and the World's Artistic Traditions (3 hours)

One University Studies elective in this category - 3 hours

Scientific Inquiry, Methodologies, and Quantitative Skills (3-5 hours)

One University Studies elective in this category - 3-5 hours

Social and Self-Awareness and Responsible Citizenship (3 hours)
One Social Science category course - 3 hours

World's Historical, Literary, and Philosophical Traditions (3 hours)

One University Studies elective in this category - 3 hours

Associate of Arts

General Studies
University Studies Requirements: 39-43 hours
No more than two courses in any one discipline may be taken within any one University Studies category to fulfill University Studies requirements.

Oral and Written Communication (7 hours)

ENG 105 [or ENG 150] - 4 hours

One University Studies elective in this category - 3 hours

Global Awareness, Cultural Diversity, and the World's Artistic Traditions (3 hours)
One University Studies elective in this category - 3 hours

Scientific Inquiry, Methodologies, and Quantitative Skills (10-12 hours)
University Studies electives in this category - 10-12 hours

Social and Self-Awareness and Responsible Citizenship (6 hours)

One Ethics, Social Responsibility and Civic Engagement category course - 3 hours
One Social Science category course - 3 hours

World’s Historical, Literary, and Philosophical Traditions (6 hours)
University Studies electives in this category - 6 hours

University Studies Approved Electives (10-12 hours)
Choose 10-12 hours from the list of University Studies electives.

Undeclared Majors

The undeclared major provides students with one-on-one advising, assistance in career exploration, and academic support while selecting their major and future careers. During the first year of classes, students will enroll in university studies courses which will make up the majority of the course schedule and that are required for all Murray State graduates. While completing these essential and valuable courses, students will explore their interests and strengths and decide which major is best. Undeclared majors enroll in a first-year transitions course (IDC 100T) to help them make connections on campus and understand the effort and commitment it takes to be a successful college student. Undeclared majors are advised by professional advisors through the Office of Student Engagement and Success in the Division of Student Affairs.

At Murray State University, a student is required to declare an area/major by the time a minimum of 45 credit hours are earned. If 15 credit hours are successfully completed each semester, the student should declare a major no later than the first semester of their sophomore year.
Note: Specifically required University Studies courses may be required for certain degrees or programs.

University Studies Requirements: 38-43 hours

Oral and Written Communication (7 hours)
COM 161 [or HON 165] - 3 hours
ENG 105 [or ENG 150] - 4 hours

Global Awareness, Cultural Diversity, and the World’s Artistic Traditions (3 hours)
One University Studies elective in this category - 3 hours

Scientific Inquiry, Methodologies, and Quantitative Skills (10-15 hours)
One University Studies science course with lab - 4-5 hours
One University Studies mathematics course - 3-5 hours
One University Studies science or mathematics course - 3-5 hours

Social and Self-Awareness and Responsible Citizenship (6 hours)
One Ethics, Social Responsibility and Civic Engagement category course - 3 hours

One Social Science category course - 3 hours

World’s Historical, Literary, and Philosophical Traditions (6 hours)
CIV 201 or CIV 202 [or HON 201 or 202] - 3 hours
HUM 211 [or HON 251] - 3 hours

University Studies Approved Electives (6 hours)
Choose from the list of University Studies courses.

While advisors support exploration of majors and taking time to make educated decisions, declaring a major clears the way for a student to 1) start taking courses specific to the declared major; 2) connect with students and faculty in the major; 3) participate in field-related internships and study abroad opportunities; and 4) be eligible for field-related scholarship opportunities. Making this educated decision early in the college career will save time and money.

Students can make an educated decision through self-assessments offered through Career Services; discussions with faculty or people working in careers of interest; involvement in on-campus clubs or organizations; and participating in internships, student exchanges, and study abroad opportunities.

University Studies Electives
The courses listed below are approved as electives for the University Studies curriculum. This list may be revised as the University Studies Committee considers proposals for courses to be included in the curriculum. Check course descriptions for specific limitations or prerequisites. Only students admitted to the Honors College may enroll in HON prefix courses, including ENG 150 Honors English.

Oral and Written Communication
CHN 101 Elementary Chinese I (3)
CHN 102 Elementary Chinese II (3)
CHN 201 Intermediate Chinese I (3)
CHN 202 Intermediate Chinese II (3)
COM 131 Introduction to Interpersonal Communication (3)
COM 161 Introduction to Public Speaking (3)
COM 260 Communication Ethics (3)
ENG 105 Critical Reading, Writing, and Inquiry (4)
ENG 150 Honors Rhetoric, Composition and Research (4)
ENG 204 Advanced Expository Writing (3)
ENG 205 Writing for the Social Sciences (3)
ENG 214 Introduction to Creative Writing (3)
ENG 224 Writing in the Professions (3)
FRE 101 Fundamental Communication in French (3)
FRE 102 Social Interactions in French (3)
FRE 110 Basic Conversational French (3)
FRE 201 Intercultural Communications in French (3)

FRE 202 Practical Applications in French (3)
FRE 210 Intermediate French Conversation (3)
GER 101 Fundamental Communication in German (3)
GER 102 Social Interactions in German (3)
GER 110 Basic Conversational German (3)
GER 201 Intercultural Communications in German (3)
GER 202 Practical Applications in German (3)
GER 210 Intermediate Conversational German (3)
HON 165 Honors Seminar in Communication (3)
JPN 101 Elementary Japanese I (3)
JPN 102 Elementary Japanese II (3)
JPN 110 Basic Conversational Japanese (3)
JPN 201 Intermediate Japanese I (3)
JPN 202 Intermediate Japanese II (3)
JPN 210 Intermediate Conversational Japanese (3)
SPA 101 Fundamental Communication in Spanish (3)
SPA 102 Social Interactions in Spanish (3)
SPA 110 Basic Conversational Spanish (3)
SPA 201 Intercultural Communications in Spanish (3)
SPA 202 Practical Applications in Spanish (3)
SPA 210 Intermediate Spanish Conversation (3)

Global Awareness, Cultural Diversity, and the World's Artistic Traditions
Courses taken as Study Abroad may apply
AGR 200 International Agricultural Experience (3)
AGR 353 World Food, Agriculture and Society (3)
ANT 140 Exploring World Cultures (3)
ARC 150 Introduction to Archaeology (3)
ART 105 Studio Art for Non-Majors (3)
ART 121 Art and Visual Culture (3)
ART 211 A Survey of Arts from Antiquity to the Baroque (3)
ART 212 A Survey of Art from the Enlightenment to the Present (3)
ART 213 Art of Global Culture (3)
CHN 101 Elementary Chinese I (3)
CHN 102 Elementary Chinese II (3)
CHN 105 Introduction to Chinese Culture (3)

CHN 201 Intermediate Chinese I (3)
CHN 202 Intermediate Chinese II (3)
CHN 340 Chinese Diversity through Food (3)
EES 110 World Geography (3)
FRE 101 Fundamental Communication in French (3)
FRE 102 Social Interactions in French (3)
FRE 105 Introduction to French Culture (3)
FRE 110 Basic Conversational French (3)
FRE 201 Intercultural Communications in French (3)
FRE 202 Practical Applications in French (3)
FRE 210 Intermediate French Conversation (3)
GDS 201 Introduction to Gender and Diversity (3)
GER 101 Fundamental Communication in German (3)
GER 102 Social Interactions in German (3)

GER 105 Introduction to German Culture (3)
GER 110 Basic Conversational German (3)
GER 201 Intercultural Communications in German (3)
GER 202 Practical Applications in German (3)
GER 210 Intermediate Conversational German (3)
HIS 105 The History of Fashion (3)
HIS 202 Understanding Global History (3)
HIS 309 Survey of World Religions (3)
HON 150 Honors Seminar in Archaeology (3)
HON 161 Honors Seminar in Visual Arts (3)
HON 162 Honors Seminar in Music (3)
HON 163 Honors Seminar in Theatre (3)
HON 164 Honors Seminar in Arts and Culture Abroad (3)
HON 270 Honors Seminar in International Relations (3)
HON 272 Honors Seminar in International Politics (3)
HUM 215 Humanities in the Contemporary World: Border Crossings (3)
JPN 101 Elementary Japanese I (3)
JPN 102 Elementary Japanese II (3)
JPN 105 Introduction to Japanese Culture (3)
JPN 110 Basic Conversational Japanese (3)
JPN 201 Intermediate Japanese I (3)
JPN 202 Intermediate Japanese II (3)
JPN 210 Intermediate Conversational Japanese (3)
MUS 104 Introduction to Jazz History (3)
MUS 105 Introduction to Music History (3)
MUS 106 Music in Film (3)
MUS 107 Introduction to American Musical Theatre (3)
MUS 108 Introduction to World Music (3)
MUS 109 Musicianship I: Music Fundamentals (3)
POL 250 Introduction to International Relations (3)
POL 252 Introduction to Comparative Politics (3)
RGS 200 Introduction to Religious Studies (3)
RGS 309 Survey of World Religions (3)
SOC 269 Popular Culture (3)
SPA 101 Fundamental Communication in Spanish (3)
SPA 102 Social Interactions in Spanish (3)
SPA 105 Introduction to Hispanic Culture (3)
SPA 106 Basic Spanish and Culture for Agriculture (3)
SPA 107 Basic Spanish and Culture for Occupational Safety and Health (3)
SPA 108 Basic Spanish for Healthcare Professionals (3)
SPA 110 Basic Conversational Spanish (3)
SPA 201 Intercultural Communications in Spanish (3)
SPA 202 Practical Applications in Spanish (3)
SPA 210 Intermediate Spanish Conversation (3)
THD 101 Dance Appreciation (3)
THD 104 The Theatrical Experience (3)
THD 118 World Theatre (3)

Scientific Inquiry, Methodologies, and Quantitative Skills
Mathematics Category

HON 262 Honors Seminar in Mathematics (3)
MAT 117 Mathematical Concepts (3)
MAT 130 Technical Math I (5)
MAT 140 College Algebra (4)
MAT 145 Trigonometry (3)
MAT 150 Algebra and Trigonometry (5)
MAT 220 Business Calculus (3)
MAT 230 Technical Math II (5)
MAT 250 Calculus and Analytic Geometry I (5)
MAT 308 Calculus and Analytic Geometry II (5)
MAT 309 Calculus and Analytic Geometry III (4)
MAT 330 Technical Math III (3)
STA 125 Statistical Reasoning (3)
STA 135 Introduction to Probability and Statistics (4)
STA 265 Methods of Statistics and Data Science (3)

Science Category
AST 115 Introductory Astronomy (3)
AST 116 Introductory Astronomy Laboratory (1)
BIO 101 Biological Concepts (4)
BIO 102 Introductory Biology (3)
BIO 109 Biology of Cancer (3)
BIO 216 Biological Inquiry and Analysis (4)
BIO 221 Zoology: Animal Form and Function (4)
BIO 222 Botany: Plant Form and Function (4)
CHE 101 Consumer Chemistry (4)
CHE 105 Introductory Chemistry (4)
CHE 111 Essentials of Chemistry and Biochemistry (5)
CHE 201 General College Chemistry (5)
CHE 202 General Chemistry and Qualitative Analysis (5)
CHE 210 Brief Organic Chemistry (3)
CHE 215 Organic Chemistry Laboratory (1)
EES 101 The Earth and the Environment (4)
EES 102 Earth Through Time (4)
EES 125 Weather and Climate (4)
EES 199 Earth Science (4)
PHY 105 The Science of Sound (4)
PHY 125 Brief Introductory Physics (4)
PHY 126 Brief Introductory Physics Laboratory (1)
PHY 130 General Physics I (3)
PHY 131 General Physics I Laboratory (1)
PHY 132 General Physics II (3)
PHY 133 General Physics II Laboratory (1)
PHY 235 Mechanics, Heat and Wave Motion (4)
PHY 236 Mechanics, Heat and Wave Motion Laboratory (1)
PHY 255 Electricity, Magnetism and Light (4)
PHY 256 Electricity, Magnetism and Light Laboratory (1)

Social and Self-awareness and Responsible Citizenship
Ethics, Social Responsibility and Civic Engagement

BIO 103 Saving Planet Earth (3)
BIO 308 Ethics in Biology (3)
COM 260 Communication Ethics (3)
CRJ 140 Introduction to Criminal Justice (3)
ENG 226 Argument and Discourse (3)
HEA 191 Personal Health (3)
HEA 260 Ethics of Healthcare Decision Making (3)
HIS 176 History of the US Constitution (3)
HIS 221 American Experience to 1865 (3)
HIS 222 American Experience since 1865 (3)
HON 140 Honors Seminar in American National Government (3)

HON 212 Honors Seminar in Ethics (3)
HON 290 Honors Seminar in Service and the Nonprofit Sector (3)
INF 101 Research in the Information Age (3)
NLS 290 Community Engagement (3)
PHI 142 Philosophy-The Big Questions (3)
PHI 202 Ethics (3)
POL 140 American National Government (3)

Social Science
AGR 199 Contemporary Issues in Agriculture (3)
ECO 140 Contemporary Economics (3)
ECO 190 Consumer Economics (3)
ECO 230 Principles of Macroeconomics (3)
ECO 231 Principles of Microeconomics (3)
EDP 260 Psychology of Human Development (3)
FIN 230 Personal Financial Planning (3)
GDS 201 Introduction to Gender and Diversity Studies (3)
HON 133 Honors Seminar in Sociology (3)
HON 180 Honors Seminar in Psychology (3)
HON 232 Honors Seminar in Economics (3)
HON 270 Honors Seminar in International Relations (3)
POL 250 Introduction to International Relations (3)
PSY 180 General Psychology (3)
SOC 133 Introduction to Sociology (3)
SOC 231 Social Problems (3)

World’s Historical, Literary, and Philosophical Traditions
ART 211 A Survey of Art from Antiquity to the Baroque (3)
ART 212 A Survey of Art from Enlightenment to the Present (3)
ART 213 Art of Global Cultures (3)

CHN 305 Understanding China: Traditions and Trends (3)
CIV 201 World Civilizations I (3)
CIV 202 World Civilizations II (3)
ENG 201 Introduction to Literature (3)
ENG 213 Film and Literature (3)
ENG 243 Literary Masterpieces: Fantasy, Myth and Legend (3)
HIS 201 Making of Europe 1500-now (3)
HIS 221 American Experience to 1865 (3)

HIS 222 American Experience since 1865 (3)
HIS 309 Survey of World Religions (3)
HON 109 Interdisciplinary Humanities and Fine Arts (3)
HON 201 Honors Seminar in World History I (3)
HON 202 Honors Seminar in World History II (3)
HON 212 Honors Seminar in Ethics (3)
HON 251 Honors Seminar in Literature and Philosophy I (3)
HON 252 Honors Seminar in Literature and Philosophy II (3)
HUM 205 Humanistic Tradition Abroad (3)
HUM 211 The Humanities Tradition Abroad (3)
PHI 103 Critical Thinking (3)
PHI 142 Philosophy-The Big Questions (3)
PHI 201 Introduction to Philosophy (3)
PHI 202 Ethics (3)
PHI 221 Philosophy of Religion (3)
PHI 357 Feminist Philosophy (3)
POL 261 Introduction to Political Theory (3)
RGS 200 Introduction to Religious Studies (3)
RGS 309 Survey of World Religions (3)
SPA 107 Basic Spanish and Culture for Occupational Safety and Health (3)
SPA 108 Basic Spanish for Healthcare Professionals (3)
THD 118 World Theatre (3)

Writing-Intensive and Technology-Intensive Electives
CSC 101 Introduction to Problem Solving Using Computers (3)
CSC 125 Internet and Web Page Design (3)

CSC 199 Introduction to Information Technology (3)

Other Academic Programs

Center for Academic Success

The Center for Academic Success is focused on the success of all students. The Center coordinates the offerings of several different programs. Housed within the Center is the free tutoring program in a variety of subjects, Bachelor of General Studies Program, and corequisite courses in English and reading, as well as, dedicated instructors and advisors to support student success.

For more information about any of these programs, contact the Center for Academic Success at (270) 809-2666.

Undergraduate Internship/Cooperative Education

Cooperative education/internship experiences integrated knowledge and theory learned in the classroom with practical application and skill development in a real-world work environment. These experiences are a partnership between the student, the employer, and Murray State University, each responsible for unique contributions as well as ethical and honest behavior. Participation in a cooperative education/internship will help students explore career direction, gain practical skills, build a professional network and become more marketable for future employment.

To receive academic credit, the cooperative education/internship must be tied to a specific Murray State University major or field of interest, supervised by a qualified professional, and have specific responsibilities and established learning outcomes. Cooperative education/internships can be worth one, two, or three credit hours per semester with each credit hour representing a minimum of 50 work hours for each credit hour. Many accredited programs require more than the minimum of 150 hours for a 3-credit hour internship. Cooperative education/internship courses numbered 488 are graded pass/fail. Cooperative education/internship experience courses numbered 489 are letter-graded. No more than twelve hours of Cooperative education/internship credit (max hours for 488 and 489 combined is 12 credit hours) will apply towards minimum baccalaureate graduation requirements. Note that some academic programs offer internship/co-op courses with program-specific numbering. A minimum cumulative GPA of 2.0 is required to participate in a cooperative education/internship experience. Please see your department for program-specific restrictions, guidelines, and requirements.

Participating students may elect to participate for a summer, semester, or academic year. Cooperative education/internship assignments must be approved by an academic department and may take place in corporate, industrial, education, healthcare, nonprofit, government, and research organizations located throughout the world. The University makes no guarantee as to placement into a cooperative education/internship experience or earnings but makes every effort to connect students to resources to find meaningful experiences.

Enrollment in the course must be concurrent with cooperative education/internships. Tuition will be assessed at the in-state rate (only for the coop/internship courses) for students enrolled during the semester. Payment of tuition must be arranged prior to leaving for the work assignment. **Failure to register and pay concurrent with cooperative education/internships will result in the credit not being awarded.**

Service Learning Program

Service Learning uses experiential learning techniques to combine community service with specific learning objectives in a course. Through Service Learning students perform meaningful service to the community while engaging in a study that is related to that service. Philosophically, service learning reflects the belief that education should be connected to values and character, as well as vocational and social responsibility.

• Students learn and develop through active participation in carefully organized service experiences that meet actual community needs and that are coordinated in collaboration with the university and the community.
• The instructional method is integrated into the academic curriculum and provides time for students to reflect on their activities through small group discussions, class activities, and journal writing.
• Students have opportunities to use newly acquired knowledge and skills in actual community situations.
• The lessons taught in the classroom and extended into the communities help students develop a sense of caring and responsibility for others (National Community

Service Act, 1990).

For students to earn recognition as a Service Learning Scholar they need to complete twelve (12) hours of credit in Service Learning designated courses. Additionally, the student must have an overall GPA of 2.75 and a minimum GPA of 3.00 in the designated classes. This designation will be recognized on the student's academic record at the time of degree conferral.

Courses that have been officially recognized as including service learning are designated with a letter "S" in the section number in the *Schedule of Classes*.

National Student Exchange

The National Student Exchange program provides a wonderful opportunity for MSU students to attend another college or university in the United States, Puerto Rico or the Virgin Islands for up to one full calendar year. This unique program allows students to take classes at a host campus and place those same classes on their MSU academic record following the exchange. Murray State students can enroll at MSU or at the host campus. If they enroll at MSU they will pay MSU tuition (Plan B). Registration at the host campus (Plan A) will allow the student to pay that campus its in-state tuition. In either case, classes taken at the host campus will be placed on the student's academic record and counted as credit towards graduation. Contact the Career Services Office for more details.

Education Abroad

Education abroad provides the opportunity for students to earn academic credit toward graduation requirements on programs around the world. Students can participate in education abroad with their own MSU faculty, enroll directly in universities abroad, or study, research, or intern on any number of program provider options across the globe. Research and internship opportunities are available and a limited number of graduate opportunities exist across the curriculum. Course credit is offered in any major and university studies courses are available as well. Faculty-led programs are designed around experiential engagement principles to guide students and faculty in hands-on learning abroad.

Providers are education abroad companies and consortia that provide programs to students for study, intern, work, and other education abroad opportunities. These include current MSU partners CCSA, CEA, Experience Scotland, KIIS, ISA, IBS, Harlaxton, and IPAI. For the purposes of these policies and procedures, all of these partners will be referred to as "provider" throughout.

Students must apply for all education abroad programs through the MSU Education Abroad Office (EAO). Students who fail to apply to the MSU EAO for participation in education abroad programs, but instead participate through other providers, exchanges, or any other intern or educational program abroad, will not receive credit toward their MSU degree for the experience. Credit cannot be granted for study abroad

experiences retroactively. Students who fail to apply to the MSU EAO will also be ineligible for financial aid or scholarships. Students who choose to participate in unapproved programs abroad will also be subject to these losses and restrictions.

Application and Selection Process

Eligibility

All MSU students are eligible to apply for education abroad if they are in good academic and disciplinary standing with a minimum cumulative GPA of 2.00. Transfer students must be admitted to MSU as a student prior to applying to participate in education abroad programs and must meet all participation requirements at the time of application. Freshmen will be considered for admission to education abroad programs on a case by case basis.

Eligibility and requirements for individual programs vary and may be determined by the program director or program provider. This may include a higher GPA requirement, course prerequisites, language fluency, and/or other requirements as determined by the program. This information is available for providers on the provider website and for MSU programs online at murraystate.edu/educationabroad. Preference will be given to applicants for whom the course offering is a major and/or a degree requirement. Participants enrolled as students at MSU who do not also have faculty or staff status must participate in education abroad as a student or intern earning credit for the program. Exceptions to the required credit enrollment may be issued for internship or research programs. MSU alumni may participate in education abroad programs by enrolling for credit at MSU.

Participants who wish to bring companions on their education abroad program will be considered on a case-by-case basis. Approval should not be assumed and is not guaranteed.

Application Requirements

A completed application will include an MSU application and mandatory non-refundable application fee through the online application system, which may require an essay, reference, and transcript. Additional application components such as proof of language proficiency may apply for specific programs as determined by the program or provider. All application and program materials must be completed by the participant. Application to an education abroad program does not automatically assume admission to the program. All application components, including disciplinary standing with Murray State University, will be taken into consideration for program approval. Applicants to provider programs will require a separate application to the provider. Applicants to provider programs must complete and submit both the MSU and provider applications to have your application to the program considered complete. Your provider application may also have an additional essay, audition, language proficiency, or prerequisite requirements for admission. Applicants found to have falsified information will be disqualified from participation.

Selection

Incomplete applications will not be reviewed. Complete applications will be reviewed by the appropriate selection committee. Selection committees consist of the leadership

of the program applied to as well as a representative of the Education Abroad Office (EAO). Interviews may be requested. Study abroad is a privilege; admission is competitive and not guaranteed. Admission decisions cannot be appealed. Applicants to provider programs will be subject to provider selection standards.

Exchange Program Selection
Applicants to MSU Exchange Programs will be interviewed at MSU by a committee of faculty and/or professional staff. If nominated to participate in the exchange, the application is then submitted to the exchange university for full review and approval. Failure to submit any additional materials required for the exchange in a timely manner will result in rejection by MSU to the exchange program. Final admission decisions are made by the exchange university and issued directly to the student and simultaneously to the EAO. Exchange admissions will fall on the admission schedule of the exchange university. The MSU EAO has no control over when this will take place or what the outcome will be. Admission decisions cannot be appealed.

Conditional Admission
In some cases, conditional admission may be issued to an applicant. This means the applicant must meet specific conditions within a certain time frame in order to be fully admitted to the program. If these conditions are not met within the specified time allotted, the applicant will be rejected from the program. While under conditional status, applicants are considered full participants, are expected to attend class, and must meet all program obligations.

Waitlist
Some programs are in high demand and may receive more applications than space available. A waitlisted applicant may be moved to full admission should a fully admitted applicant drop out of the program far enough in advance of program departure.

Rejection
An application may be rejected for several reasons including, but not limited to: cumulative GPA below 2.00, poor academic or disciplinary standing at MSU, an incomplete application, poor reference, inadequate academic connection to the program course(s), or a Bursar or Study Abroad HOLD on the student account.

Admission
Admission decisions are sent via email to the email address provided in the MSU online application. Once approved or conditionally approved to participate in an education abroad program, it is the responsibility of the participant to login to the online application to complete the post-acceptance steps for their program. The post-acceptance deadlines are posted on the EAO website at murraystate.edu/studyabroaddeadlines. Participants with post-acceptance steps not completed by this date will have a Study Abroad hold placed on their MSU account until completion is final. Participants are required to read all program materials and attend the mandatory education abroad orientation. Participants with post-acceptance steps remaining after the campus orientation date will incur a $250 non-compliance fee charged to their MSU account. Participants are required to purchase travel insurance as

specified by your program and will incur any costs not covered by insurance. Passport, visa, and flight components of post-acceptance are due 30 days prior to departure. Participants who have not completed these by that time will incur a hold and $250 non-compliance fee to their MSU account. The timely communication of participants with the EAO, program provider (if applicable) and faculty member(s) is expected throughout all steps of the application and study abroad processes.

Registration

Registration for courses is the responsibility of the participant. Until participants are registered for appropriate courses at MSU financial aid and education abroad scholarships cannot be released for any program. Program fees may not be placed onto a participant account until registration is complete. This does not mean that participants are not enrolled in the program, but that they are not officially registered to receive academic credit. Registration requirements vary by program and are detailed on the EAO website by program at murraystate.edu/studyabroadprocedures.

It is the student's responsibility to verify their schedule on their MSU *myGate* Academics tab. Students must confirm that any change to their schedule, including drop/add, is reflected on their *myGate* Academics tab.

Course enrollment cannot be altered after the semester ends.

Course Credit and Grade Transfer

It is the responsibility of the participant to understand prior to studying abroad how the course(s) they wish to take will figure into graduation requirements. Credit is not automatic. Students must follow the appropriate procedure for their program as detailed at murraystate.edu/studyabroadprocedures. Students who do not obtain credit approval prior to the start of the program may be rejected or expelled from a program and/or fail to receive academic credit upon return. It is the student's responsibility to seek written approval for all non-MSU courses before departure. The student also agrees to accept the credit hours and course transfer as negotiated between the student, their Academic Advisor, MSU Faculty, the Registrar's Office, and the Education Abroad Office.

Students who take courses abroad that have not been pre-approved are not guaranteed credit upon return. Students should make sure they do not enroll in courses on their education abroad program that will count for courses at MSU that have already been completed. If a course is transferred back to substitute for an MSU course that was already completed, MSU's repeat policy will be followed.

Course approval and registration must be completed prior to student orientation and program departure in order to receive credit for the program. **Courses will not be created or recreated for a student after a program has been completed.**

Grades

It is the responsibility of the participant to participate fully in the course and program by completing all coursework required, attending all planned program activities, including activities required by either the program itself or by the instructor(s) of the classes in which they are enrolled. Regardless of the on-site class attendance policy, the participant is expected to maintain regular class attendance. Failure to attend and fully participate may result in a failing grade.

Education abroad courses taught by MSU faculty are submitted directly to MSU unless taught through a consortial partner (such as CCSA, KIIS, Experience Scotland). This submission may not meet the regular submission schedule. Some students may receive an “Incomplete” grade until the program and course assignment deadlines are completed. It is the responsibility of the participant to ensure that all materials/coursework are submitted by the MSU deadline to have their earned grade submitted for the program course(s). It is the responsibility of the student to know how a grade of *I* (Incomplete) will impact their financial aid and academic standing at MSU and discuss any relevant issues with their instructor and the Education Abroad Office.

Grade Transfer

All grades received from foreign or domestic institutions on behalf of MSU students who earn college credit will be calculated into the MSU cumulative grade point average (GPA). If letter grades are received, these will be configured into the MSU GPA. In order to receive pass/fail credit for education abroad courses, the transferring institution must send the grade report in the form of pass/fail without letter grades.

Education abroad grades are received directly from program providers and institutions abroad and cannot be reported by the participant. Grades will be issued via paper and mailed by the institution reporting the grades. The academic calendars of education abroad programs do not traditionally match the MSU academic calendar. As such, grades are often received after the following semester has begun at MSU.

In the event that a student’s transcript is not received by MSU in a timely manner, due to the student’s fault or the fault of the program provider or university abroad, the student’s MSU status may not show satisfactory academic progress. As a result, Federal Financial Aid and Scholarships may be held until the transcript is received and grades/credit posted to the academic record. This does not mean that these funds will be revoked by MSU, but until a transcript is received that confirms satisfactory academic progress has been met, funds will not be available for use.

Failure to maintain full-time academic status while abroad on a semester program or while abroad on a summer program may have adverse consequences, including but not limited to financial aid standing, scholarship eligibility, insurance eligibility, and academic standing at the university.

Grade Appeals

If a participant wishes to appeal a grade issued by a non-MSU entity, this appeal must take place with and follow the procedures and guidelines of the program provider and faculty member, foreign university, college or institution who issued the grade. MSU

cannot change grades issued by another institution. For MSU issued grades, refer to the MSU policy on *grade appeals*.

Non-Credit Intercultural Experiences
Non-credit programs are intercultural experiences abroad that provide intensive intercultural learning, guided by faculty and professional staff of MSU, without university credit being granted for the experience. Students who participate in non-credit-bearing intercultural programs abroad will not be awarded degree credit for the experience.

Billing
Exchange Program Fee
Exchange program students will be billed at MSU for the applicable exchange program fees. The Horizons program description details which fees will be charged at MSU. Full-time semester tuition is charged at MSU at the rate normally applied based on classification and residency. Additional charges for MSU web classes taken while on the exchange program will apply. Additional fees may or may not include room, board, excursion fees, visa fees, and other exchange program charges. When a program fee is not charged to a student account or does not include room and board, these expenses will be paid by the participant on-site.

MSU Signature Program Fee
Students will be billed to their MSU account for the Signature program fee. MSU billing can be set up on a payment plan through the MSU Bursar's Office. Setting this up through *myGate* is the participant's responsibility. Billing is not applied to a participant account until the participant registers for the education abroad class. It is possible that class registration will take place after bills have been sent out by the Bursar's Office. It is the student's responsibility to check their *myGate* account and make payments on time for their program. Billing timelines are set by the Bursar's Office and follow the schedule found online at murraystate.edu/admissions/bursarsoffice/criticaldates.aspx.

Signature Program Tuition
Students on MSU Signature Programs will have tuition assessed to their MSU account at the regular tuition rate. For details on your tuition rate, refer to Costs on the Murray State University website www.murraystate.edu/admissions/bursarsoffice.

Provider Programs Tuition and Fees
Participants in provider programs will not pay additional tuition at MSU for their provider program abroad when they are registered at a provider receiving a transcript from another institution.

Students who fail to pay program fees in full to provider programs will have a HOLD placed on their *myGate* account until the balance is resolved.

Non-Credit Intercultural Experiences Fee
Students who participate in non-credit intercultural experiences will pay all program

fees through Marketplace. Students who fail to pay their program fees prior to departure will be charged the non-compliance fee and have a HOLD placed on their MSU *myGate* account until the balance is resolved.

Program Withdrawal

For full program withdrawal, an applicant must submit in writing their intention and reason for withdrawing from an education abroad program to BOTH the MSU EAO and to the program provider (if applicable). Until written notification is received in the EAO and the applicant receives a confirmation email from EAO, approved and conditional applicants are considered full participants in the program and billing will remain on the student account.

Participants voluntarily or involuntarily withdrawing from a program for any reason after the withdrawal deadline, found online at murraystate.edu/studyabroaddeadlines, will be assessed any fees that cannot be recovered for the program and will forfeit their application fee. This may be up to the full cost of the program. The participant is solely responsible for any and all costs arising out of their voluntary or involuntary withdrawal from the program prior to its completion, including withdrawal caused by illness or disciplinary action. Withdrawal fees will be charged to the participant's MSU account. Withdrawal fees will apply whether or not the full program fee has been applied to the student account by the withdrawal date.

Students who fail to meet program requirements such as obtaining a passport or visa, medical paperwork, or other requirements will incur the withdrawal fees specified here.

Withdrawal or expulsion from programs while abroad will result in a failing course grade. Course grades for medical withdrawals will be considered on a case by case basis. Withdrawals or expulsions taking place while abroad will receive no program refund and any costs associated with the withdrawal, regardless of the reason, will be at the participant's expense.

Program cancellation due to terrorist activity or acts of nature will follow the withdrawal policy.

Class Withdrawal

It is the responsibility of the student to drop classes or withdraw from their education abroad classes through *myGate* when withdrawing from the program. Refer to the MSU "Schedule Change" policy in this bulletin for fees and restrictions. Lack of participation in class or failure to pay program fees does not constitute program withdrawal. Program participants who attempt to drop the class after the program abroad experience will receive an E for the course. Students who drop/add after receiving course approvals may become ineligible for Federal Financial Aid and will be at risk of courses not transferring and/or not applying to degree completion.

Financial Aid and Scholarships

To apply Federal Financial Aid to an education abroad program, participants must be taking courses in the program that will count toward graduation requirements.

Participants who have received the maximum Federal Financial Aid eligibility during the fall and spring academic year may not be eligible for an additional semester or summer aid for education abroad. To be eligible for summer aid participants must complete a FAFSA for the current academic year if it is the first time requesting federal financial aid. Participants who are eligible for and have not yet met the maximum Pell for the academic year could receive Pell for the education abroad program.

Participants receiving education abroad scholarships and Federal Financial Aid will receive them as an award on their MSU *myGate* account. If the MSU account has a zero balance, awards will then be used to cover education abroad fees that are applied to the MSU account. For provider programs, these fees will be refunded to the participant directly to pay your balance with the provider. It is the participant's responsibility to ensure that education abroad fees are paid in full prior to departure. Participants who receive a refund of any kind are encouraged to check their *myGate* account and the program provider account to ensure there is a zero balance prior to utilizing refunds for other expenses.

Participants on summer programs must be enrolled for at least 6-credit hours for the summer term to be eligible for federal student loans. Participants may meet this 6-hour requirement by enrolling in a 3-credit hour education abroad program in addition to a summer session at MSU.

Education Abroad Scholarship Application
In order to be considered for education abroad scholarships administered within the Education Abroad Office, students must first complete the online program application at murraystate.edu/studyabroadapplication. The online scholarship application is available through the Scholarship Office. Applicants must submit all required pieces of the program application in order to be considered for scholarship funding. Incomplete applicants will not be considered under any circumstances.

Education Abroad Scholarship Eligibility
Eligibility guidelines for education abroad scholarships are specified online at murraystate.edu/studyabroadfunding. Guidelines may include a minimum GPA requirement, specific major requirements, specific program participation, or financial need requirements. The online scholarship application will determine for which awards students are eligible. Students who do not meet the minimum eligibility requirements will not be considered.

Education abroad Scholarship Selection
Applications will be reviewed by a committee. Award notifications are made via email to the email address provided in the online application approximately three weeks after the scholarship deadline. Scholarships are competitive and applicants should make every effort toward submitting the best application possible for the greatest chance to receive funding. Applications found to have falsified information will be disqualified for scholarship funding of any kind.

Current MSU Scholarship Recipients

MSU students receiving scholarships through the regular scholarship awarding process at MSU should know the following important information:
• Participants in an MSU Signature semester program may use tuition awards toward the tuition charges applied to the MSU account for that semester program.
• Participants in an MSU Signature semester program may use MSU scholarships toward tuition or program fee charges applied to the MSU account for that semester program.
• Students may not use any portion of their MSU merit scholarships for provider programs.
• Regular MSU scholarships are not provided during any summer study, whether that study is domestic or international. As such, these funds cannot be applied to summer education abroad.

• The housing portion of a Presidential Fellowship and the Marvin D. Mills Scholarship may be available for use on MSU Signature semester programs. Students receiving these funds should speak with the Scholarship Office to verify if their housing award is available for the education abroad program.

Outside Scholarship Sources
Students who have been awarded funds from outside sources must inquire directly with those sources and/or the Scholarship Office to verify what portion of funds may be available to apply to education abroad fees.

Travel Advisories for Certain Countries
The U.S. Department of State (DOS), travel.state.gov, issues four levels of Travel Advisories:
LEVEL 1: Exercise Normal Precautions
LEVEL 2: Exercise Increased Caution
LEVEL 3: Reconsider Travel
LEVEL 4: Do Not Travel
Risk indicators for the advisories issued by DOS include crime, terrorism, civil unrest, health, natural disaster, time-limited events, and other issues that do not fall into these categories.

MSU supports education abroad programs in countries if the following are conditions are met:
• the formal geographic region of study must take place in a location that is NOT currently assigned to Level 3 or 4; and
• program providers, or MSU faculty if the program is a FacultyLed MSU Signature Program, must provide proof that insurance coverage is valid in the country and region of study; and
• program providers, or MSU faculty if the program is a FacultyLed MSU Signature Program, must provide full exit strategy and warning details to the MSU Education Abroad Office and to participants; and
• program travel for sponsored excursions must not take place in the geographic region currently assigned to Levels 3 or 4; and
• participants, providers, and MSU faculty shall not travel independently or as part of a program activity to the geographic region currently assigned to Levels 3 or 4; and
• participants and MSU faculty agree to sign a Travel Advisory Release Form prior to

travel to the country.

It is the responsibility of the participant to check travel.state.gov for current travel information.

Passport and Visa
It is the responsibility of the program participant to obtain and maintain a valid passport book and visa (where applicable) for all travel and education abroad. **Passports must be valid for at least six months beyond the return date of your program abroad.**

Visas are the full responsibility of the participant. The Education Abroad Office will not advise students on visa requirements for their country of study. It is the responsibility of the participant to request paperwork and verifications required for visa issuance well in advance of their visa appointment with specifications for the format and information required.

Failure of participants to obtain a valid passport or visa will mean the inability to travel abroad for participation in the education abroad program. Students who do not comply with this international requirement will not receive a program refund and Federal Financial Aid and education abroad scholarships will be partially or fully revoked due to the inability to begin and/or complete the course. To determine if the country of study requires a visa and to determine visa costs and procedures, see the Consulate website of that country.

Travel
Participants may travel via personal vehicle, commercial airlines, and other public and private transportation both stateside and abroad. During this travel, participants will be subject to airline and TSA rules, and rules and regulations of foreign entities, which may change at any time without notice.

Transportation delays or cancellations are not the responsibility of MSU or the program provider. Cancellations and delays may result in the loss of program time abroad and/or the cancellation of activities without a refund to the participant. MSU and/or the program provider will make every possible effort to work with airlines and other transportation providers to reschedule travel that affects program length and activities as little as possible.

Conduct
Education abroad participants must adhere to the *MSU Student Life Handbook and Policies* found online at murraystate.edu/studentaffairs, comply with the laws of the foreign country, and comply with the rules and regulations of the university of study and/or the program provider.

Misconduct abroad will become part of a participant’s permanent Murray State University disciplinary record. Visiting students on MSU programs will have their home

university notified in the event of disciplinary action against the student. Resulting charges including but not limited to property damage, excessive use of electricity where applicable, mistreatment of property, lack of cleaning, and personal charges to MSU program faculty, directors, or accounts will result in a direct financial charge to the participant's MSU account to cover charges in full.

Conduct that interferes with or inhibits the experience of others, both participants and non-participants, whether in residential settings, classrooms, and any public domain, including during independent travels, could be grounds for expulsion from the program. Engagement in risky activities such as vehicle rental or extreme sports is at the participant's own risk. It is the participant's responsibility to determine whether any travel insurance will cover these activities.

Any use of illegal substances as defined by the United States statute will result in expulsion from the education abroad program. Repeated alcohol intoxication that impairs active participation in the program, disrupts the participation of others or disrupts the program itself may result in expulsion from the education abroad program and other sanctions as stated in the *MSU Student Life Handbook*.

Expulsion will result in failure of the courses taken on the program, regardless of expulsion date, including expulsions made prior to the Murray State University Drop Date. Expelled students will be sent home immediately at their own expense regardless of visa classification or on-site grace period allowance. In the event that a participant is expelled, removed, or withdraws from a program while abroad, participants authorize the Program/MSU to notify the Emergency Contact Person and hereby release any right of confidentiality/privacy under FERPA or any other State or Federal law as to such information. Expulsion details will become a permanent part of the MSU disciplinary record and will require a meeting with the MSU Disciplinary Officer upon return to Murray State to resume studies.

Graduate Degree Policies and Procedures

Graduate Degree Programs

Graduate degree programs are significantly more advanced in their content than baccalaureate degree programs.

Doctorate Degree: Candidates for the doctorate degree must complete a minimum of 60 credit hours of approved graduate-level coursework with a planned program beyond the bachelor degree or 30 hours of post-master's credit of concentrated and approved coursework. Individual programs may require additional hours. Doctoral programs shall be composed of at least 50 percent of the total course requirements at the 800-level or above. A maximum of 12 credit hours may be transferred from a regionally accredited institution with the approval of the academic advisor and collegiate graduate coordinator and/or dean. Graduate transfer work will not be posted to the student's academic record until the degree is being conferred. Only the coursework required for the degree will be posted.

Specialist Degree: Advanced degree of study consisting of a minimum of 60

graduate hours of concentrated and approved coursework beyond a bachelor's degree. A maximum of nine credit hours of completed graduate work from any graduate degree work completed after the initial master's degree program may be applied toward the specialist degree if the courses are appropriate for the degree and are approved by the department. All transfer work must fall within the eight-year time limit for completion of the specialist degree. Graduate transfer work will not be posted to the student's academic record until the degree is being conferred. Only the coursework required for the degree will be posted. Reference the section regarding *Transfer Credit* later in this chapter for specific rules pertaining to MSU grade point average and minimum transfer grade requirements.

Master's Degree: A graduate program is an approved program of study that requires a minimum of 30 graduate hours. If the student has not previously earned a master's degree, a maximum of 12 credit hours may be transferred from a regionally accredited institution with the approval of the academic advisor and collegiate graduate coordinator and/or dean. If the student has already earned a master's degree and this program is a second master's degree, a maximum of nine semester hours of completed graduate work from any previous graduate degree or program may be applied toward an additional degree if the courses are appropriate for the degree and are approved by the department. All transfer work must fall within the eight-year time limit for completion of the master's degree. Graduate transfer work will not be posted to the student's academic record until the degree is being conferred. Only the coursework required for the degree will be posted. Reference the section regarding Transfer Credit later in this chapter for specific rules pertaining to MSU grade point average and minimum transfer grade requirements.

Accelerated Program Credit

For qualified students who have been admitted to an accelerated graduate program, a maximum of 12 Murray State graduate credit hours (30 MSU graduate credit hours for the accelerated Occupational Therapy program) may be used towards satisfying their undergraduate and graduate degree requirements. Grades earned in the Accelerated Program Credit will count in both the undergraduate and graduate GPAs. **Students who drop out of the accelerated graduate program will not be eligible to use the Accelerated Program Credit courses toward any graduate degree; however, the courses will continue to apply toward the undergraduate degree.** Students must seek approval from their academic department and complete the Accelerated Program Credit approval form (found on *myGate*).

Graduate Certificate: A specialized set of courses emphasizing a professional skill or knowledge base typically ranging from 12 to 18 hours. Courses may be shared between a graduate certificate program and a graduate degree program. Graduate transfer work will not be posted to the student's academic record until the graduate certificate is conferred. Only the transfer work specifically required for the certificate will be posted. All students seeking a graduate certificate must be appropriately admitted/readmitted to Murray State and must have the specific program plan pre-approved by the department and dean of the certificate program.

Program and Advisor Assignments

All graduate students admitted to a degree or certificate program at Murray State University are required to follow a planned program of graduate study. Although a student may be required to take undergraduate prerequisite courses, only approved graduate courses completed while enrolled as a graduate student may apply toward a graduate program.

The student's advisor should be consulted before or during registration for assistance in planning a program. Before the end of the first term enrolled, the student must complete the graduate program form and submit it to the specified advisor, who will secure the required signatures and return the form to the Office of the Registrar. To be approved, a program must meet all requirements stipulated in the *Academic Bulletin*.

Any subsequent change in the planned program must be approved by the student's advisor and the collegiate/school graduate coordinator. Changes to doctoral programs also require the approval of the Associate Provost. The collegiate graduate coordinator is responsible for notifying the Office of the Registrar of the program changes on an official graduate substitution form available on *myGate*.

After enrolling, a student may request to change to a different graduate program by filling out a change of program form which may be obtained through *myGate*. The form must be submitted to Graduate Admissions and Records. The student's request will then be referred to the appropriate department for approval and advisor assignment.

Graduate Degree/Course Time Limits

All course work used to fulfill the graduate certificate, master's degree, specialist in education degree, or doctoral degree program requirements must be completed within the eight-year period prior to awarding the degree, beginning with the date the student initially enrolls in a class for graduate credit. Example: A graduate course begun in August 2010 must be used for a degree no later than August 2018.

Failure to complete a degree in eight years will result in the loss of all credits taken outside of the time limits and the student being unable to continue with the approved program unless an extension is sought and granted. Graduate degree grade point averages are based on the courses listed on the graduate program form and apply to the program being sought. Any courses excluded by the eight-year rule shall not be included in the computation of the grade point average. Since graduate students do not always enroll for courses in consecutive semesters, it is important to note the following:

- Enrolled graduate students need not apply every semester unless they have not been enrolled for four consecutive semesters, or have completed their graduate programs.
- Each graduate course must be used toward a degree within eight years of enrolling in that course.

Students may request a time extension through their advisor. The request must also be approved by the program coordinator, collegiate graduate coordinator, and the

university graduate coordinator. The request may be denied at any level of the review. Extensions are considered on a case-by-case basis. Students are strongly discouraged from requesting more than one extension. In cases where all graduate coursework has expired, no time extension will be granted. The Graduate Studies Committee of the Academic Council will handle student appeals of any decision.

Transfer Credit

A maximum of 12 graduate hours may be transferred from a regionally accredited graduate school after a student has been admitted. All transfer credit must be approved by the student's advisor and collegiate graduate coordinator. Departments and colleges may set more restrictive policies concerning the kind and amount of transfer hours they will accept. All transfer credit must have been earned within the eight-year period allowed for the degree. The student must have an overall GPA of at least 3.00 on graduate work at Murray State University and a grade of *B* or better in any course that the student wishes to transfer to Murray State. It is the responsibility of the student to initiate a request for transfer of credit. Graduate transfer credit will not be posted to the student's transcript or included in the calculation of the student's GPA until the point of graduation.

Transfer Credit to Repeat MSU Courses

If a graduate student takes a course at Murray State and chooses to repeat that course at another institution, permission from the student's graduate advisor and collegiate graduate coordinator must be secured. All graded attempts of the repeated transfer course are included in the student's degree GPA calculation. A course substitution form must be forwarded to the Office of the Registrar in Sparks Hall to document departmental approval of transfer credit. Students are required to submit an official transcript from the other school to Murray State after each semester of enrollment.

Graduate Thesis/Dissertation Requirements

Many graduate programs require a thesis for which a maximum of six hours of credit may be earned (doctoral students should consult program curriculum under the appropriate departmental section). If a thesis is required, the student's departmental advisor should be consulted early in the first term of graduate study. The advisor will assist the student in choosing a thesis topic, a thesis director, and a thesis committee (to consist of three to five members, including the director). Typically, thesis courses are not scheduled until the student is at least mid-way through a graduate program.

Prior to conducting studies that involve human subjects, the individual student must receive approval for his/her activities from the Institutional Review Board (IRB) following the current Procedures and Guidelines for the Protection of Human Subjects. Students involved with research involving animals should obtain permission from the Institutional Animal Care and Use Committee (IACUC). Please consult your thesis advisor for details on either requirement. Failure to receive the appropriate approval may result in the disqualification of the thesis.

Thesis/Dissertation Approval

The submission, approval, and archival process can be found at www.murraystate.edu/finishyourthesis. Failure to meet the stated deadline may result

in the postponement of the student's degree conferral until the following semester.

Complete procedural and structural instructions are contained in Guidelines for the Preparation of Master's Thesis available from the MSU website. It is the responsibility of the student to secure and comply with these guidelines.

Students who change from thesis track to non-thesis track in a graduate program may not receive credit for Thesis courses.

Tests
Nationally recognized tests of aptitude are required by some colleges, departments, and programs of the university. Test scores may be used for admission or as a condition of degree completion. Test score requirements for specific degrees will be found in the *Academic Bulletin* under the appropriate departmental sections. Test scores must be received in Graduate Admissions and Records directly from the testing service to be considered official.

Summative Evaluation
In addition to completing required courses, students in some graduate degree programs will be expected to demonstrate that they have successfully met program standards through summative evaluation procedures administered near the end of the course of study. Murray State University also uses information on student performance gathered in summative evaluations for purposes of program improvement.

Comprehensive Examination
A student should refer to the section containing degree requirements of the student's graduate program for information regarding the comprehensive examination if required by the department. Deadlines are published in the online *Academic Calendar*.

A master's student normally takes the comprehensive examination during the semester in which the student graduates; however, a student who has completed 24 hours toward the master's degree may also elect to take the examination.

An application for the comprehensive examination must be submitted to the student's academic department during the first three weeks of the semester in which the student plans to take the examination. Applications are available in the academic department.

The comprehensive examination is usually administered three weeks prior to the conclusion of the semester. Doctoral students should consult their specific program coordinator for any comprehensive examination details.

Application for Degree
The Application for Graduate Degree is available on the Academics tab of *myGate*. Contact the Office of the Registrar for help with inactive *myGate* accounts.

This application is effective for one semester only. If a student does not graduate after making an application, the application will be updated one time at no additional charge. If a student is still unable to complete all degree requirements it is the student's responsibility to submit a new application via *myGate* by the deadline for the term in which the student plans to graduate. The new application will result in another degree fee.

The Graduate Degree Application and fee are due in the Office of the Registrar by February 15 for students graduating in May of the same year; March 15 for students graduating in August of the same year; September 15 for students graduating in December of the same year; and October 15 for students graduating in winter of the same year. Submission deadlines are posted on the University calendar.

Degree Applications may be submitted after the published deadline ONLY with prior approval of the Office of the Registrar. Late degree applications cannot be submitted through *myGate*. An additional late fee is required.

A candidate for a master's degree, specialist in education degree, or doctoral degree must have a minimum grade point average of 3.00 in all the approved program graduate courses before the degree is conferred. No credit shall be granted for a grade below *C*.

See the *Diplomas* and *Commencement* sections for additional information.

Application for Certificate Completion
The Application for the Graduate Certificate Completion, available on *myGate*, and processing fee are due in the Office of the Registrar by May 1 (spring graduation), December 1 (fall/winter graduation), or August 1 (summer graduation).

After the student successfully completes all courses toward the certificate program, the certificate awarded will be posted to the MSU transcript within a few weeks. No document will be printed and/or mailed to the student. Questions about the form may be directed to the Office of the Registrar at (270) 809-3778.

Second Master's Degree
Students desiring to pursue another master's degree at Murray State University shall have completed all requirements for a previous master's degree at Murray State University or another accredited university. In general, the same basic requirements for general admission, and other conditions previously stated in this *Academic Bulletin* relative to a master's degree are also applicable to a second master's degree with the following exceptions:
1. A maximum of nine semester hours of completed graduate work from any previous graduate degree or program may be applied toward an additional degree if the courses are appropriate for the degree and are approved by the department and if they fall within the eight-year time limit for completion of the master's degree.

2. If the new master’s degree involves certification, all requirements for the certificate must be met prior to the completion of the degree.
3. Candidates for Specialist Degrees must check with their advisors concerning the program regulations on second degrees.

Candidates for an additional master’s degree must file an application for admission to graduate school and identify their subsequent program prior to registration for additional coursework. The student must then contact the advisor assigned from the department offering the subsequent program and plan a complete program of studies. Individual programs have specific requirements that must be met before pursuing a subsequent master’s degree. Any deficiencies in preparation for a subsequent master’s degree must be resolved during the first semester of enrollment.

Dual Master’s Degrees
Dual master’s degrees at Murray State University enable students in specified programs to take a five-semester or six-semester sequence of courses leading to two graduate degrees. Students are required to comply with the specific policies of each program.

Application and Admission
Applicants must have a baccalaureate degree from an accredited institution of higher education and apply to and be accepted into each program. The normal criteria for admission to each program apply. Conditionally admitted students will have to adhere to the policies set in place by the program(s) that granted the conditional admission.

Academic Standing
To continue in the dual master’s degree program, students must meet the academic standards in both programs. Students who are not performing satisfactorily in one of the programs may be dropped from that program. The student may continue in the other master’s degree program as long as they continue to meet that program’s academic standards. As applicable, the student may request any satisfactorily completed coursework from the dropped program be used toward the remaining program.

Course Progression
Students are required to work consistently toward both degrees. Students will be assigned one advisor from each program to support successful course progression and are expected to meet with each advisor at least once each semester to ensure both programs are being completed in a timely manner. Conferral of the two degrees must occur simultaneously.

Final Examination
Students must apply for graduation for each degree separately. Students must meet the graduation requirements of each program, including a comprehensive examination and/or thesis. If appropriate and agreed upon by both programs, final examination requirements (comprehensive exam and/or thesis) may be integrated and fulfill requirements of both programs.

Graduate Literature and Research Courses
As a distinguishing characteristic of adding a depth of knowledge within each graduate program, and to allow graduate students seeking degrees to stay current within their field of study, each graduate program at Murray State University structures the content of their curricula to include 1) knowledge of the literature within the respective discipline, and 2) appropriate ongoing research and/or professional practice and training. The university, and each program, ensures these by denoting at least one course or process within each program with a (L) for literature, (R) for research, and (PT) for professional training. Each program may also use a variety of other methods in which students may demonstrate mastery of one or more of these; other methods may include: theses, capstone courses, comprehensive examinations, portfolios, research projects, methodology courses, and exit examinations.

Academic Colleges and Departments

Arthur J. Bauernfeind College of Business

- Arthur J. Bauernfeind Graduate Program in Business Administration
  - **Graduate**
    - Business Administration
      - Business Administration/Accounting Concentration
      - Business Administration/Business Analytics Concentration
      - Business Administration/Cybersecurity Concentration
      - Business Administration/Economic Development Concentration
      - Business Administration/Finance Concentration
      - Business Administration/Global Communication Concentration
      - Business Administration/Health Administration Concentration
      - Business Administration/Human Resources Management Concentration
      - Business Administration/Marketing Concentration

- Accounting
  - **Undergraduate**
    - Accounting
      - Accounting/Finance Track
      - Accounting/Financial Planning Track
      - Accounting Information Systems Track
    - Accounting (minor)

- Computer Science and Information Systems
  - **Undergraduate**
    - Computer Information Systems

        - Computer Information Systems (minor)
        - Computer Science
            - Computer Science/Data Science
            - Computer Science/Game Development
        - Computer Science (minor)
        - Data Analytics (minor)
        - Game Development (minor)
    - **Graduate**
        - Cybersecurity Management
        - Information Systems
            - Information Systems/Business Analytics Concentration
            - Information Systems/Information Security

- Economics and Finance
    - **Undergraduate**
        - Business Economics (minor)
        - Economics
            - Economics/Social Studies Certification (Grades 8-12) Track
        - Economics (minor)
        - Finance
            - Finance/Commercial Banking Track
            - Finance/Financial Planning Track
        - Finance (minor)
        - International Economics (minor)
    - **Graduate**
        - Economic Development
        - Economic Development (certificate)
        - Economics
            - Economics/Finance

- Journalism and Mass Communications
    - **Undergraduate**
        - Advertising
        - Advertising (minor)
        - Graphic Communications Media
        - Graphic Communications Technology (minor)
        - Journalism
        - Journalism (minor)
        - Mass Communications (minor)
        - Media Production (minor)
        - Photography (minor)
        - Public Relations
        - Television Production
    - **Graduate**
        - Mass Communications
            - Mass Communications/Public Relations Concentration

- Management, Marketing and Business Administration
  - **Undergraduate**
    - Business Administration (area)
    - Business Administration (major)
    - Business Administration (associate)
    - Business Administration (minor)
    - Entrepreneurship (minor)
    - Logistics and Supply Chain Management
    - Logistics and Supply Chain Management (certificate)
    - Logistics and Supply Chain Management (minor)
    - Management
      - Management/Entrepreneurship Track
      - Management/Hospitality and Tourism Track
      - Management/Human Resources Track
    - Management (minor)
    - Marketing
      - Marketing/Entrepreneurship Track
      - Marketing/Hospitality and Tourism Track
    - Marketing (minor)
    - Real Estate (minor)

- Organizational Communication and Leadership
  - **Undergraduate**
    - Adventure Leadership (minor)
    - Community Recreation (minor)
    - Nonprofit Leadership Studies/Nonprofit Management
    - Nonprofit Leadership Studies (minor)
    - Organizational Communication
    - Organizational Communication (minor)
    - Sports Communication (minor)
  - **Graduate**
    - Health Communication (certificate)
    - Nonprofit Leadership Studies
    - Nonprofit Leadership Studies (certificate)
    - Organizational Communication (Thesis)
    - Organizational Communication (Non-Thesis)
    - Organizational Dynamics (certificate)

College of Education and Human Services

- Adolescent, Career and Special Education
  - **Undergraduate**
    - Athletics Coaching (minor)
    - Career and Technical Education (associate)
    - Career and Technical Education (certificate)
    - Career and Technical Education/Business and Marketing Education/5-12 Certification Track

        - Career and Technical Education/Engineering and Technology Education/5-12 Certification Track
        - Career and Technical Education/Family and Consumer Sciences Education/5-12 Certification Track
        - Career and Technical Education/Occupation-Based Option Rank 1 Program
        - Certification: Secondary School Teacher
        - Family and Consumer Studies (minor)
        - General Special Education (minor)
        - Health and Physical Education (minor)
        - Health and Physical Education/P-12 Certification Track
            - Health and Physical Education/Non-Certification Track
        - Learning and Behavior Disorders/Elementary Track
        - Learning and Behavior Disorders/Middle School Track
        - Learning and Behavior Disorders/Moderate to Severe Disabilities Track
        - Middle School Education/5-9 Certification Track (1 concentration)
        - Middle School Education/5-9 Certification Track (2 concentrations)
    - **Graduate**
        - Career and Technical Education
        - Career and Technical Education (certificate)
        - Moderate to Severe Disabilities (certification)
        - Special Education/Mild Learning and Behavior Disorders P-12 Certification
        - Special Education/Moderate to Severe Disabilities P-12 Certification
        - Teacher Education and Professional Development/Secondary

- Community Leadership and Human Services
    - **Undergraduate**
        - Criminal Justice (area)
        - Criminal Justice (major)
        - Criminal Justice (minor)
        - Juvenile Justice (minor)
        - Social Welfare (minor)
        - Social Work

- Early Childhood and Elementary Education
    - **Undergraduate**
        - Elementary Education (BA)
        - Elementary Education (BS)
        - Interdisciplinary Early Childhood Education (Birth to Primary)
    - **Graduate**
        - Instructional Computer Technology (Endorsement)
        - Reading and Writing

- Educational Studies, Leadership and Counseling
    - **Undergraduate**
        - Human Services

- **Graduate**
  - College Advising (certificate)
  - Education Administration (MAED)
  - Education Administration (EdS)
  - Higher Education Assessment (certificate)
  - Higher Education Management (certificate)
  - Human Development and Leadership
  - Human Development and Leadership (certificate)
  - Individual Intellectual Assessment for the School Counselor
  - Kentucky Administrator Professional Endorsements
    - Director of Pupil Personnel
    - Director of Special Education
    - Instructional Leadership - School Superintendent
    - Instructional Leadership - Supervisor of Instruction
  - Library Media
  - P-20 and Community Leadership
    - P-20 and Community Leadership/Agricultural Education Leadership Specialization
    - P-20 and Community Leadership/EdS to EdD Specialization
    - P-20 and Community Leadership/pK-12 Specialization
    - P-20 and Community Leadership/Postsecondary Specialization
    - P-20 and Community Leadership/STEM Specialization
  - Postsecondary Education
  - School Counseling (MAED)
  - Counseling (EdS)
  - School Psychology
  - School Psychology - 6th Year Programs
  - Standard Certification in School Counseling
  - Student Affairs (certificate)
  - Teacher Leader
    - Teacher Leader: Advanced Learning and Behavior Disorders Concentration
    - Teacher Leader: Advanced Pedagogy Concentration
    - Teacher Leader: Career and Technical Education Concentration
    - Teacher Leader: Dual Credit Credentialing Concentration
    - Teacher Leader: Interdisciplinary Early Childhood Education Concentration

- Center for Communication Disorders
  - **Undergraduate**
    - Communication Disorders
  - **Graduate**
    - Speech-Language Pathology

College of Humanities and Fine Arts

- Collegiate Programs

- **Undergraduate**
  - Holistic Senior Living (minor)
  - International Service (certificate)

- Liberal Arts
  - **Undergraduate**
    - Liberal Arts

- Art and Design
  - **Undergraduate**
    - Art (minor)
    - Art History (minor)
    - Art/Studio Art Track (BFA)
      - Art/Graphic Design Track (BFA)
      - Art/Studio Art - Enhanced Art History Track (BFA)
      - Art/Teaching Certification Track (BFA)
    - Art/Studio Art Track (BA/BS)
      - Art/Studio Art - Enhanced Art History Track (BA)
      - Art/Teaching Certification Track (BA/BS)
    - Arts Administration (minor)
    - Community-Based Art Education (certificate)
    - Fine Art Photography (certificate)
    - Fine Art Photography (minor)
    - Fine Arts (minor)
    - Game Design (certificate)
    - Graphic Design (minor)

- English and Philosophy
  - **Undergraduate**
    - American Studies (minor)
    - British Studies (minor)
    - Business Ethics (certificate)
    - Creative Writing
    - Creative Writing (minor)
    - English
      - English/Creative Writing Track
      - English/English Education - Secondary Certification (Grades 8-12) Track
      - English/Literature Track (area)
      - English/Literature Track (major)
      - English/Philosophy Track
      - English/Professional Writing Track
      - English/Rhetoric and Philosophy Track
      - English/Teaching English to Speakers of Other Languages (P-12) Track
      - English/Teaching English to Speakers of Other Languages Track (area/non-certification)

            - English/Teaching English to Speakers of Other Languages Track (major/non-certification)
        - English (minor)
        - English Education (minor)
        - Film Studies (minor)
        - Gender and Diversity Studies (minor)
        - Linguistics (minor)
        - Literature and Philosophy (minor)
        - Philosophy (minor)
        - Professional Writing (minor)
        - Rhetoric (minor)
        - TESL/TEFL (certificate)
        - TESOL (minor)
    - **Accelerated**
        - BA+MA Accelerated English Literature (4+1) Program
        - BA+MA Accelerated English/TESOL (4+1) Program
        - BA+MA Accelerated TESOL (4+1) Program
        - MA+DA Accelerated English Pedagogy/Teaching English Literature & English
    - **Graduate**
        - Creative Writing
        - Dual-Credit and Transitional English (certificate)
        - English
        - English Pedagogy
            - English Pedagogy/K-12 English Language, Language Arts, and Literacy Specialization
            - English Pedagogy/Teaching English Language Specialization
            - English Pedagogy/Teaching English Literacy K-Adult Specialization
            - English Pedagogy/Teaching English Literature Specialization
            - English Pedagogy/Teaching Writing Specialization
        - English as a Second Language (endorsement)
        - TESL/TEFL (certificate)
        - Teaching English to Speakers of Other Languages

- Global Languages and Theatre Arts
    - **Undergraduate**
        - Chinese Language and Culture (certificate)
        - Chinese Studies (minor)
        - Culture and Language Studies/Chinese Track
        - Culture and Language Studies/French Track
        - Culture and Language Studies/German Track
        - French (minor)
        - French Language and Culture (certificate)
        - German (minor)
        - German Language and Culture (certificate)
        - Global Language/Japanese Track
        - Global Language/Japanese Teaching Certification Track
        - Global Language/Japanese Translation and Interpretation Track
        - Global Language/Spanish Track
        - Global Language/Spanish Teaching Certification Track

        - Global Language/Spanish Translation and Interpretation Track
        - Japanese (minor)
        - Japanese Language and Culture (certificate)
        - Music Theatre (minor)
        - Portuguese Language and Culture (certificate)
        - Spanish (minor)
        - Spanish Language and Culture (certificate)
        - Theatre
            - Theatre/Film Track
            - Theatre/Musical Theatre Track
        - Theatre (minor)
        - Theatre Design/Technical (minor)
        - Theatre Performance (minor)

- History
    - **Undergraduate**
        - East Asian Studies (minor)
        - History
            - History/Law (3+3 Program with University of Louisville)
            - History/Social Studies Certification (Grades 8-12)
        - History (minor)
        - Religious Studies (minor)
        - Social Science (minor)
    - **Accelerated**
        - BA/BS + MA Accelerated History (4+1) Program
    - **Graduate**
        - History

- Music
    - **Undergraduate**
        - Music
            - Music/Composition Track
            - Music/Keyboard Studies Track
            - Music/Music Business Track
            - Music/Music Education P-12 Certification Track Instrumental
            - Music/Music Education P-12 Certification Track Vocal
            - Music/Musical Theatre Track
            - Music/Performance - Instrumental Track
            - Music/Performance - Vocal Track
        - Music (minor)
        - Music Business
        - Recording Techniques
    - **Graduate**
        - Music Education

- Political Science and Sociology
    - **Undergraduate**

        - International Studies
        - International Studies (minor)
        - Legal Studies (minor)
        - Peace Studies (minor)
        - Political Science
            - Political Science/Pre-Professional Legal Studies Track
            - Political Science/Social Studies Certification (Grades 8-12) Track
        - Political Science (minor)
        - Popular Culture (minor)
        - Social and Behavioral Sciences (minor)
        - Sociology
        - Sociology (minor)
    - **Graduate**
        - Public Administration
            - Public Administration/Economic Development Concentration
            - Public Administration/Health Administration Concentration
            - Public Administration/Nonprofit Organizations Concentration
            - Public Administration/Public and Community Health Concentration
            - Public Administration/Public Management Concentration

- Psychology
    - **Undergraduate**
        - Cognitive Science (minor)
        - Psychology
            - Psychology/Applied Behavior Analysis Track
        - Psychology (minor)
    - **Graduate**
        - Clinical Psychology
        - General Experimental Psychology
        - Research Design and Analysis (certificate)

Jesse D. Jones College of Science, Engineering and Technology

- Biological Sciences
    - **Undergraduate**
        - Biology
            - Biology/Biomedical Sciences Track
            - Biology/Fisheries and Aquatic Biology Track
            - Biology/Pre-Dental Track
            - Biology/Pre-Medical Track
            - Biology/Pre-Optometry Track
            - Biology/Pre-Physical Therapy Track
            - Biology/Pre-Physician Assistant Track
            - Biology/Secondary Certification (Grades 8-12) Track
        - Biology (minor)

        - Cell Biology (minor)
        - Wildlife Technician (certificate)
        - Wildlife and Conservation Biology (minor)
        - Wildlife and Conservation Biology/Conservation Biology Track
        - Wildlife and Conservation Biology/Conservation Education and Interpretation Track
        - Wildlife and Conservation Biology/Conservation Law Enforcement Track
        - Wildlife and Conservation Biology/Wildlife Biology Track
        - Wildlife and Conservation Biology/Zoological Conservation Track
    - **Graduate**
        - Biology
            - Biology/Watershed Science Concentration

- Chemistry
    - **Undergraduate**
        - Chemistry (area)
        - Chemistry (major)
            - Chemistry/Biochemistry Track
            - Chemistry/Forensics Track
            - Chemistry/Polymer and Materials Science Track
            - Chemistry/Pre-Dental Track
            - Chemistry/Pre-Medical Track
            - Chemistry/Pre-Pharmacy Track
            - Chemistry/Secondary Certification (Grades 8-12 Track)
        - Chemistry (minor)
    - **Accelerated**
        - BS+MS Accelerated Chemistry (4+1) Program
    - **Graduate**
        - Chemistry

- Earth and Environmental Sciences
    - **Undergraduate**
        - Anthropology (minor)
        - Archaeology (minor)
        - Earth Science (minor)
        - Earth and Environmental Sciences/Archaeology Track
        - Earth and Environmental Sciences/Earth Science Secondary Certification (Grades 8-12) Track
        - Earth and Environmental Sciences/Environmental Sciences Track
        - Earth and Environmental Sciences/Geography and GIS Track
        - Earth and Environmental Sciences/Geology Track
        - Environmental Geology (minor)
        - Geographic Information Science (certificate)
        - Geographic Information Science (minor)
        - Globalization and Development (minor)
        - Sustainability Studies (minor)
    - **Accelerated**
        - BS+MS Accelerated Earth and Environmental Sciences (4+1) Program
    - **Graduate**

        - Earth and Environmental Sciences
            - Earth and Environmental Sciences/Archaeology Concentration
            - Earth and Environmental Sciences/Environmental Geology Concentration
            - Earth and Environmental Sciences/Geoinformatics Concentration
            - Earth and Environmental Sciences/Watershed Science Concentration
        - Geospatial Data Science (certificate)
        - Sustainability Science

- Institute of Engineering
    - **Undergraduate**
        - Applied Physics
            - Applied Physics/Pre-MBA Track
        - Astronomy (minor)
        - Civil Engineering Technology (associate)
        - Civil and Sustainability Engineering
        - Construction Management and Architecture/Architectural Design Track
        - Construction Management and Architecture/Construction Management Track
        - Cybersecurity and Network Management
        - Electromechanical Engineering Technology
        - Engineering Graphics and Design
        - Engineering Physics
        - Engineering Science (minor)
        - Environmental Technology (minor)
        - Industrial Technology (associate)
        - Industrial and Engineering Technology (minor)
        - Manufacturing Engineering Technology
        - Physics
            - Physics/Secondary Certification (Grades 8-12) Track
        - Physics (minor)
        - Telecommunications Systems Management (minor)
    - **Graduate**
        - Engineering Management

- Mathematics and Statistics
    - **Undergraduate**
        - Actuarial Science (minor)
        - Applied Statistics (minor)
        - Mathematical Biology (minor)
        - Mathematics
            - Mathematics/Applied Mathematics Track
            - Mathematics/Data Science Track
            - Mathematics/Pre-MBA Track
            - Mathematics/Pre-MS in Biostatistics Track
            - Mathematics/Secondary Certification (Grades 8-12) Track (area)
            - Mathematics/Secondary Certification (Grades 8-12) Track (major)
        - Mathematics (minor)

- **Accelerated**
  - BS+MA Accelerated Mathematics (4+1) Program
  - BS+MS Accelerated Mathematics (4+1) Program
- **Graduate**
  - Mathematics (MA)
  - Mathematics (MS)
  - Mathematics/Mathematics Teaching

- Occupational Safety and Health
  - **Undergraduate**
    - Emergency Management (certificate)
    - Occupational Safety and Health (minor)
    - Occupational Safety and Health/Environmental Health and Safety Track
    - Occupational Safety and Health/Occupational Safety and Health Track
  - **Graduate**
    - Occupational Safety and Health

Hutson School of Agriculture

- Agricultural Science
  - **Undergraduate**
    - Agricultural Science (major)
      - Agricultural Science/AgriScience Technology Track
      - Agricultural Science/Agribusiness Track
      - Agricultural Science/Agricultural Education Certification (5-12) Track
      - Agricultural Science/Agricultural Systems Technology Track
      - Agricultural Science/Agronomy Track
      - Agricultural Science/Horticulture Track
    - Agricultural Science and Technology (associate)
    - Golf Course Management (minor)
    - Unmanned Aerial Systems (certificate)
    - Unmanned Aerial Systems (minor)
  - **Accelerated**
    - BS/BSA + MS Accelerated Agriculture Program
  - **Graduate**
    - Agricultural Education
    - Agriculture
      - Agriculture/Agribusiness Economics Concentration
      - Agriculture/Agricultural Education Concentration
      - Agriculture/Sustainable Agriculture Concentration
      - Agriculture/Veterinary Hospital Management Concentration

- Animal and Equine Science
  - **Undergraduate**
    - Animal Science (minor)

        - Animal Technology/Animal/Equine Science Track
        - Equine Science (minor)

- Veterinary Technology and Pre-Veterinary Medicine
    - **Undergraduate**
        - Animal Technology/Pre-Veterinary Medicine Track
        - Animal Technology/Veterinary Technology Track
    - **Graduate**
        - Veterinary Hospital Management (certificate)

School of Nursing and Health Professions

- Applied Health Sciences
    - **Undergraduate**
        - Community Health Coordinator (minor)
        - Exercise Science/Exercise Physiology Track
        - Exercise Science/Pre-Health Professional Track
        - Movement Science (minor)
        - Nutrition (minor)
        - Nutrition and Dietetics/Dietetics Track
        - Nutrition and Dietetics/Nutrition and Foods Track
        - Public and Community Health
            - Public and Community Health/Health and Fitness Management Track
        - Public and Community Health (minor)
    - **Graduate**
        - Nutrition
            - Nutrition/Internship Concentration
            - Nutrition/Non-Internship Concentration

- Nursing
    - **Undergraduate**
        - Nursing
            - Nursing/RN to BSN
    - **Graduate**
        - Doctor of Nursing Practice
            - Nursing/Family Nurse Practitioner Specialization
            - Nursing/Nurse Anesthesia Specialization
            - Nursing/MSN to DNP Specialization

- Occupational Therapy
    - **Accelerated/Graduate**
        - Occupational Therapy

Honors College

- **Undergraduate**
  - Honors Arts Sequence
  - Honors Science Sequence
  - Honors Focus

Center for Adult and Regional Education

- Center for Adult and Regional Education
  - **Undergraduate**
    - General Studies (associate)
    - Integrated Studies

- Military Science
  - **Undergraduate**
    - Military Science (minor)

University Libraries

- **Undergraduate**
  - Information Studies (minor)

Center for Academic Success

- **Undergraduate**
  - General Studies

University Administration

Board of Regents

Jerry P. Rhoads, *chair*

Madisonville, Kentucky

Eric Crigler, *vice chair*

Bloomington, Indiana

Virginia Bishop Gray

Hopkinsville, Kentucky

Sharon L, Green

Mayfield, Kentucky

Warren Norman, *student regent*

Henderson, Kentucky

Leon Owens

Paducah, Kentucky

Lisa Rudolph

Kirksey, Kentucky

Phillip Schooley, *staff regent*

Murray, Kentucky

Melony Shemberger, *faculty regent*

Murray, Kentucky

Don I. Tharpe

Nicholasville, Kentucky

Jill Hunt, board secretary

Murray, Kentucky

President

President: Robert L Jackson

Executive Director, Office of Institutional Diversity, Equity and Access and Title IX Coordinator: Camisha Duffy

General Counsel: Robert Miller

Director, Athletics: Kevin Saal

Director, Institutional Effectiveness and Strategic Planning: K. Renee Fister

Director, Marketing and Communications: Shawn Touney

Executive Director, Office of Development: Tina Bernot

Director, Alumni Relations: Carrie McGinnis

President, MSU Foundation: David Durr

Academic Affairs

Provost and Vice President for Academic Affairs: Tim Todd

Associate Provost: Robert Pervine

Interim Assistant Provost for Online Programs: Ashley Ireland

Interim Dean, Arthur J. Bauernfeind College of Business: David Eaton

Dean, College of Education and Human Services, David Whaley

Dean, College of Humanities and Fine Arts: David Balthrop

Dean, Jesse D. Jones College of Science, Engineering and Technology: Claire Fuller

Dean, Hutson School of Agriculture: Tony Brannon

Dean, School of Nursing and Health Professions: Dina Byers

Dean, University Libraries: Ashley Ireland

Executive Director, Center for Adult and Regional Education: Daniel Lavit

Registrar: Tracy Roberts

Executive Director, Honors College: Warren Edminster

Director, Center for Computer and Information Technology: Michael Ramage

Finance and Administrative Services

Vice President for Finance and Administrative Services: Jackie Dudley

Director, Facilities Management: Jason Youngblood

Chief Information Officer: Brian Verkamp

Executive Director, Auxillary Services: David Looney

Bursar: Wendy Cain

Director, Accounting and Financial Services: Ellen Dale

Director, Housing: David Wilson

Director, Human Resources: Joyce Gordon

Director, Procurement Services: Lizabeth Ward

Interim Chief of Police/Director, MSU Police Department: Jeff Gentry

Director, University Store: Karol Hardison

Student Affairs

Vice President for Student Affairs and Enrollment Management: Don E. Robertson

Director, Campus Recreation and Wellness Center: Travis Rawe

Director, University Counseling Services: Angie Trzepacz

Assistant Vice President, Institute for International Studies: Guangming Zou

Executive Director, Multicultural Initiatives, Student Leadership & Inclusive Excellence: S.G. Carthell

Director, Student Disability Services: Ken Ashlock

Director, Student Life and Curris Center: Re'Nita Avery

Director, Student Support Services and TRIO Program: MeLissa Cooper

Director, Student Engagement and Success: Peggy Whaley

Director, Career Services: Matt Purdy

Director, Recruitment: Shawn Smee

Director, Undergraduate Admissions/Transfer Center: Maria Rosa

Director, Upward Bound Math Science: Amy Cox

Director, Talent Search: Audrey Neal

Director, Upward Bound-Christian Co: Leigh Conyers

Director, Upward Bound-Charleston: Buffy Blaton

Assistant Director, Residence Life: Casey Rowe

Coordinator, Women's Center/Educational Programs: Abigail Cox

Coordinator, Greek Life/Student Leadership Programs: Kim Newbern

Coordinator, Student Conduct & Special Projects: Jen Caldwell

Coordinator, Veteran-Military Student Success: Allan Patterson

Coordinator, LGBTQ Programs: TBD

Supervisor, Post Office: James Smith

College Head, Clark College: Chris Trzepacz

College Head, Elizabeth College: William DeWees

College Head, Hart College: Judy Crofton

College Head, Hester College: Kenneth Fister

College Head, Regents College: Mickey Miller

College Head, Richmond College: Bassam Atieh

College Head, Springer/Franklin College: Eric Umstead

College Heads, White College: Elizabeth Donovan and Justin Taylor

Programs

Arthur J. Bauernfeind College of Business

Accounting (Minor)

Program Name

Accounting

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Accounting

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Graduation Requirements

Six hours must be from upper-level courses.

Students must have a cumulative grade point average of 2.50 or higher prior to enrolling in their first 300-level or above accounting course.

Accounting courses cannot be used toward this minor and also in another business program. Students pursuing more than one degree option in business must substitute other business or accounting courses (approved by the Accounting Department chair) for ACC 200 and 201 or any other common courses.

Students must have a cumulative grade point average of 2.00 or higher in all 300-level and above accounting courses to meet graduation requirements.

Program Requirements

- Complete all of the following
  - Earned a minimum grade of B in each of the following:
    - ACC200 - Principles of Financial Accounting (3)
    - ACC201 - Principles of Managerial Accounting (3)
    - ACC202 - Accounting Applications Laboratory (1)
  - Completed the following:
    - ACC300 - Intermediate Accounting I (3)
  - Earned at least 9 credits from ACC 300 - 599, excluding:
    - ACC488 - Cooperative Education/Internship (1 - 3)
    - ACC489 - Cooperative Education/Internship (1 - 3)
    - ACC490 - Survey of Accounting (3)
  - Completed at least 3 credits from the following types of courses:
    Upper-level Business Electives

Grand Total Credits: **22**

Minimum Credential Hours

21

Program Contact Information

Department of Accounting 351 Business Building (270) 809-4193 msu.acc@murraystate.edu

Default Advisor

L. Johnsonius

Accounting (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business)

Program Name

Accounting

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

520301

Program Level

Undergraduate

Department

Accounting

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Graduation Requirements

Students completing both an undergraduate and a graduate degree in accounting may take only one international experience course for credit toward graduation.

Specifically Required University Studies

- Complete all of the following
  - Completed at least 1 of the following:
    - MAT220 - Business Calculus (3)
    - MAT250 - Calculus and Analytic Geometry I (5)
  - Completed the following:
    - ECO230 - Macroeconomics (3)
    - ECO231 - Microeconomics (3)
    - CSC199 - Introduction to Information Technology (3)

Grand Total Credits: **12 - 14**

Program Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements (Accounting)
    - Complete all of the following
      - Earned a minimum grade of B in each of the following:
        - ACC200 - Principles of Financial Accounting (3)
        - ACC201 - Principles of Managerial Accounting (3)
      - Completed the following:
        - ACC308 - Accounting Information Systems (3)
        - BUS215 - Business Communication (3)
        - BAC442 - Business Ethics and Environments (3)
        - ECO310 - Issues in the Global Economy (3)
        - FIN330 - Principles of Finance (3)
        - LSC343 - Fundamentals of Operations and Technology (3)
        - LST240 - The Legal Environment of Business (3)
        - MGT350 - Fundamentals of Management (3)
        - MGT590 - Strategic Management (3)
        - MKT360 - Principles of Marketing (3)
      - Completed at least courses from: Courses from -
        - CIS243 - Business Statistics I (2)
        - STA135 - Introduction to Probability and Statistics (4)

        Must earn minimum grade of C in all selected courses
      - Completed at least 1 of the following:
        - CIS343 - Business Statistics II (2)
        - STA265 - Methods of Statistics and Data Science (3)
  - Completed the following:
    - ACC100T - Transitions (1)
  - Earned a minimum grade of B in each of the following:
    - ACC202 - Accounting Applications Laboratory (1)
  - Completed the following:
    - ACC300 - Intermediate Accounting I (3)
    - ACC301 - Intermediate Accounting II (3)
    - ACC302 - Federal Income Tax (3)
    - ACC303 - Cost Accounting (3)
    - ACC500 - Advanced Accounting (3)
    - ACC506 - Principles of Auditing and Assurance Services (3)
    - ACC507 - Professional Issues (1)
  - Completed at least 2 of the following:
    - ACC501 - Accounting for Governmental and Nonprofit Entities (3)
    - ACC502 - Advanced Income Tax (3)
    - ACC503 - Cost Management in the Global Economy (3)
    - ACC516 - Auditing Theory and Practice (3)
    - BAC540 - Legal Obligations of Business (3)
  - Completed at least 3 credits from the following types of courses:
    Upper-level Business Electives (BSB only)
  - Note: ACC 304, 489, 490, and BUS 355 will not count as business electives. Students must have a cumulative grade point average of 2.50 or higher prior to enrolling in their first 300-level or above accounting course. Also, students must have a cumulative grade point average of 2.00 or higher in all 300-level and above accounting courses to meet graduation requirements.

Grand Total Credits: **68 - 69**

Minimum Credential Hours

120

Program Contact Information

Department of Accounting 351 Business Building (270) 809-4193 msu.acc@murraystate.edu

Default Advisor

L Johnsonius

Accounting (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Accounting/Finance Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Accounting (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Accounting/Finance Track

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

520301

Specialization Level

Undergraduate

Department

Accounting

College

Arthur J. Bauernfeind College of Business

Specialization Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Graduation Requirements

Students must have a cumulative grade point average of 2.50 or higher prior to enrolling in their first 300-level or above accounting course.

Students must have a cumulative grade point average of 2.00 or higher in all 300-level and above accounting courses to meet graduation requirements.

Students completing both an undergraduate and a graduate degree in accounting may take only one international experience course for credit toward graduation.

Specialization Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements (Accounting)
    - Complete all of the following
      - Earned a minimum grade of B in each of the following:
        - ACC200 - Principles of Financial Accounting (3)
        - ACC201 - Principles of Managerial Accounting (3)
      - Completed the following:
        - ACC308 - Accounting Information Systems (3)
        - BUS215 - Business Communication (3)
        - BAC442 - Business Ethics and Environments (3)
        - ECO310 - Issues in the Global Economy (3)
        - FIN330 - Principles of Finance (3)
        - LSC343 - Fundamentals of Operations and Technology (3)
        - LST240 - The Legal Environment of Business (3)
        - MGT350 - Fundamentals of Management (3)
        - MGT590 - Strategic Management (3)
        - MKT360 - Principles of Marketing (3)
      - Completed at least courses from: Courses from -
        - CIS243 - Business Statistics I (2)
        - STA135 - Introduction to Probability and Statistics (4)

        Must earn minimum grade of C in all selected courses
      - Completed at least 1 of the following:
        - CIS343 - Business Statistics II (2)
        - STA265 - Methods of Statistics and Data Science (3)
  - Completed the following:
    - ACC100T - Transitions (1)
  - Earned a minimum grade of B in each of the following:
    - ACC202 - Accounting Applications Laboratory (1)
  - Completed the following:
    - ACC300 - Intermediate Accounting I (3)
    - ACC301 - Intermediate Accounting II (3)
    - ACC302 - Federal Income Tax (3)
    - ACC303 - Cost Accounting (3)
    - ACC500 - Advanced Accounting (3)
    - ACC506 - Principles of Auditing and Assurance Services (3)
    - ACC507 - Professional Issues (1)
    - FIN332 - Financial Management (3)
  - Completed at least 2 of the following:
    - ACC501 - Accounting for Governmental and Nonprofit Entities (3)
    - ACC502 - Advanced Income Tax (3)
    - ACC503 - Cost Management in the Global Economy (3)
    - ACC516 - Auditing Theory and Practice (3)
    - BAC540 - Legal Obligations of Business (3)
  - Required Limited Electives:
  - Earned at least 9 credits from 300 - 599, excluding:
    - FIN488 - Cooperative Education/Internship (1 - 3)
    - FIN489 - Cooperative Education/Internship (1 - 3)
    - FIN505 - Internship in Finance (1 - 3)
    - FIN595 - Special Problems (1 - 3)

Grand Total Credits: **77 - 78**

Minimum Credential Hours

120

Specialization Contact Information

Department of Accounting 351 Business Building (270) 809-4193 msu.acc@murraystate.edu

Default Advisor

L. Johnsonius

Accounting (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Accounting/Financial Planning Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Accounting (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Accounting/Financial Planning Track

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

520301

Specialization Level

Undergraduate

Department

Accounting

College

Arthur J. Bauernfeind College of Business

Specialization Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Graduation Requirements

Students must have a cumulative grade point average of 2.50 or higher prior to enrolling in their first 300-level or above accounting course.

Students must have a cumulative grade point average of 2.00 or higher in all 300-level and above accounting courses to meet graduation requirements.

Students completing both an undergraduate and a graduate degree in accounting may take only one international experience course for credit toward graduation.

Specialization Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements
    - Complete all of the following
      - Completed the following:
        - ACC200 - Principles of Financial Accounting (3)
        - ACC201 - Principles of Managerial Accounting (3)
        - BUS215 - Business Communication (3)
        - BAC355 - Information Systems and Decision Making (3)
        - BAC442 - Business Ethics and Environments (3)
        - ECO310 - Issues in the Global Economy (3)
        - FIN330 - Principles of Finance (3)
        - LSC343 - Fundamentals of Operations and Technology (3)
        - LST240 - The Legal Environment of Business (3)
        - MGT350 - Fundamentals of Management (3)
        - MGT590 - Strategic Management (3)
        - MKT360 - Principles of Marketing (3)
      - Completed at least 1 courses from: Courses from -
        - CIS243 - Business Statistics I (2)
        - STA135 - Introduction to Probability and Statistics (4)

        Must earn minimum grade of C in all selected courses
      - Completed at least 1 of the following:
        - CIS343 - Business Statistics II (2)
        - STA265 - Methods of Statistics and Data Science (3)
  - Completed the following:
    - ACC100T - Transitions (1)
  - Earned a minimum grade of B in each of the following:
    - ACC202 - Accounting Applications Laboratory (1)
  - Completed the following:
    - ACC300 - Intermediate Accounting I (3)
    - ACC301 - Intermediate Accounting II (3)
    - ACC302 - Federal Income Tax (3)
    - ACC303 - Cost Accounting (3)
    - ACC500 - Advanced Accounting (3)
    - ACC506 - Principles of Auditing and Assurance Services (3)
    - ACC507 - Professional Issues (1)
    - FIN331 - Principles of Insurance (3)
    - FIN333 - Principles of Investment (3)
    - FIN336 - Employee Benefits and Retirement (3)
    - FIN338 - Estate Planning (3)
  - Completed at least 2 of the following:
    - ACC501 - Accounting for Governmental and Nonprofit Entities (3)
    - ACC502 - Advanced Income Tax (3)
    - ACC503 - Cost Management in the Global Economy (3)
    - ACC516 - Auditing Theory and Practice (3)
    - BAC540 - Legal Obligations of Business (3)

Grand Total Credits: **79 - 82**

Minimum Credential Hours

120

Specialization Contact Information

Department of Accounting 351 Business Building (270) 809-4193 msu.acc@murraystate.edu

Default Advisor

L Johnsonius

Accounting (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Accounting/Information Systems Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Accounting (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Accounting/Information Systems Track

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

520301

Specialization Level

Undergraduate

Department

Accounting

College

Arthur J. Bauernfeind College of Business

Specialization Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Graduation Requirements

Students must have a cumulative grade point average of 2.50 or higher prior to enrolling in their first 300-level or above accounting course.

Students must have a cumulative grade point average of 2.00 or higher in all 300-level and above accounting courses to meet graduation requirements.

Students completing both an undergraduate and a graduate degree in accounting may take only one international experience course for credit toward graduation.

Specialization Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements (Accounting)
    - Complete all of the following
      - Earned a minimum grade of B in each of the following:
        - ACC200 - Principles of Financial Accounting (3)
        - ACC201 - Principles of Managerial Accounting (3)
      - Completed the following:
        - ACC308 - Accounting Information Systems (3)
        - BUS215 - Business Communication (3)
        - BAC442 - Business Ethics and Environments (3)
        - ECO310 - Issues in the Global Economy (3)
        - FIN330 - Principles of Finance (3)
        - LSC343 - Fundamentals of Operations and Technology (3)
        - LST240 - The Legal Environment of Business (3)
        - MGT350 - Fundamentals of Management (3)
        - MGT590 - Strategic Management (3)
        - MKT360 - Principles of Marketing (3)
      - Completed at least courses from: Courses from -
        - CIS243 - Business Statistics I (2)
        - STA135 - Introduction to Probability and Statistics (4)

        Must earn minimum grade of C in all selected courses
      - Completed at least 1 of the following:
        - CIS343 - Business Statistics II (2)
        - STA265 - Methods of Statistics and Data Science (3)
  - Completed the following:
    - ACC100T - Transitions (1)
  - Earned a minimum grade of B in each of the following:
    - ACC202 - Accounting Applications Laboratory (1)
  - Completed the following:
    - ACC300 - Intermediate Accounting I (3)
    - ACC301 - Intermediate Accounting II (3)
    - ACC302 - Federal Income Tax (3)
    - ACC303 - Cost Accounting (3)
    - ACC500 - Advanced Accounting (3)
    - ACC506 - Principles of Auditing and Assurance Services (3)
    - ACC507 - Professional Issues (1)
    - CIS317 - Principles of Information Systems Analysis and Design (3)
    - CSC101 - Introduction to Problem Solving Using Computers (3)
    - CSC232 - Introduction to Programming in C# (3)
  - Completed at least 2 of the following:
    - ACC501 - Accounting for Governmental and Nonprofit Entities (3)
    - ACC502 - Advanced Income Tax (3)
    - ACC503 - Cost Management in the Global Economy (3)
    - ACC516 - Auditing Theory and Practice (3)
    - BAC540 - Legal Obligations of Business (3)
  - Required Limited Electives:
  - Completed at least 1 of the following:
    - CIS543 - Advanced Business Analytics (3)
    - CSC125 - Internet and Web Page Design (3)
    - CSC260 - Application Program Development in COBOL I (3)
    - CSC332 - Advanced Programming in C# (3)
    - EES521 - Geographic Information Systems (4)
    - FIN421 - Financial Models (3)
    - MKT475 - Digital Marketing (3)

Grand Total Credits: **77 - 79**

Minimum Credential Hours

120

Specialization Contact Information

Department of Accounting 351 Business Building (270) 809-4193 msu.acc@murraystate.edu

Default Advisor

L Johnsonius

Adventure Leadership (Minor)

Program Name

Adventure Leadership

Degree

Minor

Program Level

Undergraduate

Department

Organizational Communication and Leadership

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - NLS101 - Introduction to Recreation and Leisure Services (3)
    - NLS295 - Wilderness and Remote First Aid (3)
    - NLS301 - Outdoor Adventure Skills (3)
    - NLS311 - Leadership in Adventure Education (3)
    - NLS460 - Natural Resources and Society (3)
  - Earned at least 6 credits from the following:
    - NLS104 - Rural Tourism (3)
    - NLS129 - Basic Canoeing (1)
    - NLS150 - Recreation Activity Leadership (1)
    - NLS161 - Outdoor Cooking and Menu Planning (1)
    - NLS162 - Backpacking and Outdoor Living (1)
    - NLS164 - Rock Climbing (1)
    - NLS340 - Extended Backcountry Travel (3)
    - NLS350 - Program Development (3)
    - NLS410 - Technology Skills for Community Organizations (3)
    - NLS470 - Interpretation of Cultural and Natural Resources (3)
    - NLS490 - National Recreation Sites and Rural Tourism Traveling Workshop (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Organizational Communication and Leadership 312 Wilson Hall (270) 809-4483

Default Advisor

Dept Chair

Advertising (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Advertising

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

090903

Program Level

Undergraduate

Department

Journalism and Mass Communications

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Major

Accreditations

Accrediting Council on Education in Journalism and Mass Communications (ACEJMC)

Graduation Requirements

ACEJMC requires that students earn at least 72 hours of credit (of the 120 required for graduation) outside of the Department of Journalism and Mass Communications.

Program Requirements

- Complete all of the following
  - Completed the following:
    - JMC100T - Transitions (1)
    - JMC168 - Contemporary Mass Media (3)
    - JMC330 - Mass Media Effects (3)
    - JMC394 - Introduction to Advertising (3)
    - JMC417 - Advertising Creative Strategy (3)
    - JMC426 - Advertising Media Sales (3)
    - JMC439 - Advertising Media Planning (3)
    - JMC456 - Advertising Capstone:The Campaign (3)
    - JMC499 - Senior Seminar (1)
    - JMC590 - Mass Communication Law (3)
  - Required Limited Electives:
  - Earned at least 9 credits from the following:
    - JMC194 - Newswriting (3)
    - JMC270 - Media Production (3)
    - JMC322 - Mass Media Study Abroad (3)
    - JMC336 - Writing for Media Production (3)
    - JMC385 - Directed Individual Study (1 - 3)
    - JMC391 - Public Relations Principles (3)
    - JMC400 - International Mass Communications (3)
    - JMC440 - Research Methods for Public Relations (3)
    - JMC586 - Special Topics (3 - 6)
    - JMC596 - Internship (3)
    - MGT350 - Fundamentals of Management (3)
    - MKT360 - Principles of Marketing (3)
    - MKT463 - Consumer Behavior (3)
  - Or an upper-level MKT elective
  - Co-Requirements:
  - Completed at least 1 of the following:
    - CSC125 - Internet and Web Page Design (3)
    - CSC199 - Introduction to Information Technology (3)
  - Completed the following:
    - GCM152 - Introduction to Digital Imaging (3)
  - Completed at least 21 credits from the following types of courses: Required Minor

Grand Total Credits: **62**

Minimum Credential Hours

120

Program Contact Information

Department of Journalism and Mass Communications 114 Wilson Hall (270) 809-2387 msu.jmc@murraystate.edu

Default Advisor

A. White

Advertising (Minor)

Program Name

Advertising

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Journalism and Mass Communications

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - JMC394 - Introduction to Advertising (3)
    - JMC417 - Advertising Creative Strategy (3)
    - JMC426 - Advertising Media Sales (3)
    - JMC439 - Advertising Media Planning (3)
    - JMC456 - Advertising Capstone:The Campaign (3)
    - MKT360 - Principles of Marketing (3)
    - MKT463 - Consumer Behavior (3)
  - Complete 1 of the following
    - Earned at least 3 credits from MKT 300 - 599
    - Completed the following:
      - MGT350 - Fundamentals of Management (3)

Grand Total Credits: **24**

Minimum Credential Hours

21

Program Contact Information

Department of Journalism and Mass Communications 114 Wilson Hall (270) 809-2387
msu.jmc@murraystate.edu

Default Advisor

Dept Chair

Business Administration (MBA: Master of Business Administration)

Program Name

Business Administration

Degree

MBA: Master of Business Administration

CIP Code

520101

Program Level

Graduate

Department

Business

College

Arthur J. Bauernfeind College of Business

Graduate Program Type

Graduate Degree

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Description

The graduate program leading to the Master of Business Administration (MBA) degree for full-time students is offered during the day and evening at Murray. The same program is offered 100% online.

The MBA program is offered jointly by the departments within the college. It is designed to qualify graduates for creative leadership positions in a complex and ever-changing business environment. Primary emphasis is placed on the analyses of business problems, the determination of business policies, and the development of the skills and mature judgment necessary for competent management.

The integrated curriculum provides each student with an understanding of the major facets of domestic and international business operations including work in the theoretical and historical foundations of business, quantitative controls, information systems, research methodology, decision making through the development of advanced functional skills, and the socio-political environment of business. Opportunity is provided for a moderate degree of specialization through selected graduate electives. The accounting concentration requires additional foundation courses. There is no comprehensive examination or thesis requirement. However, the capstone course, MGT 656, can be taken only after completion of 18 hours of graduate coursework.

Requirements for Admission

Applicants must meet Murray State University requirements (see Graduate Admissions). Additional requirements for admission are as follows:

All domestic applicants must have either an:

- undergraduate GPA of 3.25 from a four-year domestic institution; or
- undergraduate GPA of 3.0 from a four-year domestic institution with two years of full-time work experience (résumé with references required); or
- undergraduate GPA of 2.75 from a four-year domestic institution with four years of full-time work experience (résumé with references required); or
- earned master’s or doctoral degree.

If none of the above conditions are met, domestic applicants must have at least an undergraduate GPA of 2.75 from a four-year domestic institution and take either the GMAT (Graduate Management Aptitude Test) and earn a minimum total score of 430 along with a minimum quantitative subscore of 32, or take the GRE (Graduate Records Examination) and earn a minimum total score of 288 along with a minimum quantitative subscore of 147.

For domestic applicants with at least a 2.5 GPA who have the necessary exam score described above, and whose case includes exceptional circumstances, a candidate review by the admissions committee may occur on a case-by-case basis. In such exceptional cases, the admissions committee will review whether a candidate has significant high-level work experience or qualifications, and at least 5 years since the bachelor’s degree was earned.

All international students, regardless of work experience, must have at least a 2.75 GPA (U.S. equivalent) and also meet the required above scores on either the GRE or GMAT. An applicant whose native language is not English or did not graduate from an English-speaking college or university must score a minimum of 20 in each section of the TOEFL or a minimum of 6 on each section of the IELTS.

Admission Requirements

- Complete all of the following
  - Complete 1 of the following
    - Completed the following:
      - ACC490 - Survey of Accounting (3)
      - ECO490 - Survey of Economics (3)
      - CIS490 - Survey of Calculus and Statistics (3)
      - FIN330 - Principles of Finance (3)
      - MKT490 - Survey of Management and Marketing (3)
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - CIS343 - Business Statistics II (2)
      - MAT220 - Business Calculus (3)
      - FIN330 - Principles of Finance (3)
      - MGT350 - Fundamentals of Management (3)
      - MKT360 - Principles of Marketing (3)
  - All foundation courses must be completed by the time a student finishes 15 hours of graduate coursework. ACC 490, CIS 490, ECO 490, and MKT 490 cannot as an undergraduate. These survey courses are for students who already have an undergraduate degree and are planning to pursue the MBA degree. Students have the option of taking the 490 classes or the individual courses that make up these 490 survey courses.

Grand Total Credits: **15 - 26**

Graduation Requirements

Graduation Requirements:

The MBA curriculum requirements are divided into two parts: (1) foundation courses and (2) graduate courses.

The foundation courses are undergraduate courses designed to form a base upon which the student can build in the graduate phase of the program. A student who has satisfactorily completed one or more equivalent courses will be given a waiver for previous work. A minimum grade of *C* is required to satisfy each foundation course.

All foundation courses must be completed by the time a student finishes 15 hours of graduate course work.

ACC 490, CIS 490, ECO 490, and MKT 490 cannot be taken as an undergraduate. These survey courses are for students who already have an undergraduate degree and are planning to pursue the MBA degree. Students have the option of taking the 490 classes or the individual courses that make up these 490 survey courses.

Note: All electives must be selected with the approval of the MBA director. No foundation courses may be used as an MBA elective. Students with an undergraduate degree in accounting are encouraged to choose a 600-level ACC courses in lieu of ACC 604.

Other Degree Requirements:

In order to receive the degree, a candidate must earn a minimum grade point average of 3.00 on all graduate courses taken at Murray State University. Repeating a graduate course does not cancel a previous grade in the course. A candidate may not repeat a course in which a previous grade of *A* or *B* was earned for credit.

A minimum grade of *C* is required to receive credit for a graduate course.

No more than one *C* will be accepted in fulfillment of the seven MBA core courses.

A candidate is awarded one “quality deficit point” for each grade of *C* received, two points for each *D*, and three points for each *E*. Upon receipt of three quality deficit points, a candidate is dropped from the program without opportunity for readmission except by special permission.

A maximum of nine semester hours of graduate credit taken at another institution may be transferred toward the fulfillment of core courses or electives, provided that a minimum grade of *B* was earned, and that a 3.00 grade point average is earned in Murray State graduate courses. Transfer courses must fall within the eight-year time limit allowed for completion of the master’s degree.

Foundation courses may be completed at Murray State University or at any regionally accredited four-year institution or recognized foreign institution, before or after acceptance into the program. Only the 100- and 200-level foundation courses may be completed at a community or junior college.

During the fall and spring semesters, a candidate may take a maximum of 12 credit hours of graduate work or 15 credit hours if at least three hours are foundation work. The maximum load during each five-week summer session is seven hours.

A student may fulfill a foundation course by passing a proficiency test. A proficiency test may be taken only once per course. There is a fee for taking the test. Call the assistant dean’s office (270-809-4259) to schedule each proficiency test.

A candidate who reapplies after a period of inactivity of 36 months will be subject to the degree requirements in effect at the time of reapplication.

A few applicants who have taken the GMAT or GRE and are denied admission may subsequently be admitted by a special admissions process on the basis of significant work experience or other extraordinary credentials.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ACC604 - Accounting for Decision Making (3)
    - CIS623 - Introduction to Business Analytics (3)
    - ECO625 - Managerial Economics (3)
    - FIN602 - Corporate Finance (3)
    - MGT651 - Seminar in Organizational Behavior (3)
    - MGT656 - Seminar in Strategic Management (3)
    - MKT667 - Market Planning and Application (3)
  - Completed at least 9 credits from the following types of courses:
    Electives: all electives must be selected with the approval of the MBA director. No foundation course may be used as an MBA elective. Students with an undergraduate degree in accounting are encouraged to choose a 600-level ACC course in lieu of ACC 604.

Grand Total Credits: **30**

Minimum Credential Hours

30

Program Contact Information

Dr. Joy Humphreys (270) 809-4259 jhumphreys4@murraystate.edu

Default Advisor

J. Humphreys

Business Administration (MBA: Master of Business Administration) - Business Administration/Accounting

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Business Administration (MBA: Master of Business Administration) - Business Administration/Accounting

Degree

MBA: Master of Business Administration

CIP Code

520101

Specialization Level

Graduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Description

The MBA accounting concentration curriculum requirements are divided into three parts: (1) foundation courses, (2) undergraduate accounting courses, and (3) graduate courses. The undergraduate courses are designed to form a base upon which the student can build during the subsequent graduate phase of the program. A student who has satisfactorily completed one or more equivalent courses will be given a waiver for previous work. A minimum grade of C is required to satisfy each undergraduate course.

Admission Requirements

- Completed the following:
  - ACC300 - Intermediate Accounting I (3)
  - ACC301 - Intermediate Accounting II (3)
  - ACC302 - Federal Income Tax (3)
  - ACC303 - Cost Accounting (3)
  - ACC506 - Principles of Auditing and Assurance Services (3)

Grand Total Credits: **15**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - CIS623 - Introduction to Business Analytics (3)
    - ECO625 - Managerial Economics (3)
    - FIN602 - Corporate Finance (3)
    - MGT651 - Seminar in Organizational Behavior (3)
    - MGT656 - Seminar in Strategic Management (3)
    - MKT667 - Market Planning and Application (3)
  - Earned at least 12 credits from the following:
    - ACC600 - Advanced Accounting (3)
    - ACC601 - Accounting for Governmental and Nonprofit Entities (3)
    - ACC612 - Tax Planning and Research (3)
    - ACC603 - Cost Management in the Global Economy (3)
    - ACC605 - Corporate Governance and Accounting Ethics (3)
    - ACC606 - Auditing Theory and Practice (3)
    - ACC608 - Accounting Information Technologies (3)
    - ACC609 - Issues in Corporate Financial Reporting (3)
    - ACC610 - International Accounting (3)
    - ACC612 - Tax Planning and Research (3)
    - BAC640 - Legal Obligations of Business (3)
  - Note: All electives must be selected with the approval of the MBA director. No foundation courses may be used as an MBA elective.

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Dr. Joy Humphreys (270) 809-4259 jhumphreys4@murraystate.edu

Default Advisor

J. Humphreys

Business Administration (MBA: Master of Business Administration) - Business Administration/Business Analytics

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Business Administration (MBA: Master of Business Administration) - Business Administration/Business Analytics

Degree

MBA: Master of Business Administration

CIP Code

520101

Specialization Level

Graduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ACC604 - Accounting for Decision Making (3)
    - CIS623 - Introduction to Business Analytics (3)
    - ECO625 - Managerial Economics (3)
    - FIN602 - Corporate Finance (3)
    - MGT651 - Seminar in Organizational Behavior (3)
    - MGT656 - Seminar in Strategic Management (3)
    - MKT667 - Market Planning and Application (3)
  - Earned at least 9 credits from the following:
    - CIS603 - Project Management (3)
    - CIS609 - Data Management (3)
    - CIS643 - Advanced Business Analytics (3)
    - CIS650 - Software Development (3)
  - Note: Students may only have credit toward their degree for CIS 603 or CIS 609.

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Dr. Joy Humphreys (270) 809-4259 jhumphreys4@murraystate.edu

Default Advisor

J. Humphreys

Business Administration (MBA: Master of Business Administration) - Business Administration/Cybersecurity

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Business Administration (MBA: Master of Business Administration) - Business Administration/Cybersecurity

Degree

MBA: Master of Business Administration

CIP Code

520101

Specialization Level

Graduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Specialization Type

Graduate Degree

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International): (2013)

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ACC604 - Accounting for Decision Making (3)
    - CIS623 - Introduction to Business Analytics (3)
    - ECO625 - Managerial Economics (3)
    - FIN602 - Corporate Finance (3)
    - MGT651 - Seminar in Organizational Behavior (3)
    - MGT656 - Seminar in Strategic Management (3)
    - MKT667 - Market Planning and Application (3)
  - Completed the following:
    - CYS601 - Data Communications and Networking (3)
    - CYS615 - Information System Security (3)
    - CYS625 - Information Security Risk Management (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Dr. Joy Humphreys 270-809-4259 jhumphreys4@murraystate.edu

Default Advisor

J. Humphreys

Business Administration (MBA: Master of Business Administration) - Business Administration/Economic Development

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Business Administration (MBA: Master of Business Administration) - Business Administration/Economic Development

Degree

MBA: Master of Business Administration

CIP Code

520101

Specialization Level

Graduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ACC604 - Accounting for Decision Making (3)
    - CIS623 - Introduction to Business Analytics (3)
    - ECO625 - Managerial Economics (3)
    - FIN602 - Corporate Finance (3)
    - MGT651 - Seminar in Organizational Behavior (3)
    - MGT656 - Seminar in Strategic Management (3)
    - MKT667 - Market Planning and Application (3)
  - Earned at least 9 credits from the following:
    - ECO610 - Introduction to Economic Development (3)
    - ECO611 - Economic Development Methods (3)
    - ECO655 - Cost Benefit Analysis (3)
    - FIN610 - Economic Development Finance (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Dr. Joy Humphreys (270) 809-4259 jhumphreys4@murraystate.edu

Default Advisor

J. Humphreys

Business Administration (MBA: Master of Business Administration) - Business Administration/Finance

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Business Administration (MBA: Master of Business Administration) - Business Administration/Finance

Degree

MBA: Master of Business Administration

CIP Code

520101

Specialization Level

Graduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ACC604 - Accounting for Decision Making (3)
    - CIS623 - Introduction to Business Analytics (3)
    - ECO625 - Managerial Economics (3)
    - FIN602 - Corporate Finance (3)
    - MGT651 - Seminar in Organizational Behavior (3)
    - MGT656 - Seminar in Strategic Management (3)
    - MKT667 - Market Planning and Application (3)
  - Earned at least 9 credits from the following:
    - FIN612 - Capital Investment Analysis (3)
    - FIN620 - Risk Management (3)
    - FIN621 - Financial Models (3)
    - FIN622 - Portfolio Management and Theory (3)
    - FIN632 - Investment Management (3)
    - FIN633 - Analytical Methods in Finance (3)
    - FIN634 - Financial Markets and Institutions (3)
    - FIN637 - Commercial Banking (3)
    - FIN650 - Derivative Securities (3)
    - FIN661 - International Financial Management (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Dr. Joy Humphreys (270) 809-4259 jhumphreys4@murraystate.edu

Default Advisor

J. Humphreys

Business Administration (MBA: Master of Business Administration) - Business Administration/Global Communication

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Business Administration (MBA: Master of Business Administration) - Business Administration/Global Communication

Degree

MBA: Master of Business Administration

CIP Code

520101

Specialization Level

Graduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ACC604 - Accounting for Decision Making (3)
    - CIS623 - Introduction to Business Analytics (3)
    - ECO625 - Managerial Economics (3)
    - FIN602 - Corporate Finance (3)
    - MGT651 - Seminar in Organizational Behavior (3)
    - MGT656 - Seminar in Strategic Management (3)
    - MKT667 - Market Planning and Application (3)
  - Completed at least 3 of the following:
    - BUS615 - Communicating in an International Business Environment (3)
    - COM622 - Communication Technology (3)
    - COM631 - Interpersonal Communication at Work (3)
    - COM639 - Seminar in Conflict Resolution (3)
    - COM677 - Organizational Learning and Dialogue (3)
    - COM680 - Advanced Organizational Communication (3)
    - COM682 - Seminar in Crisis Communication (3)
    - COM685 - Seminar in Organizatonal Communication (3)
    - COM687 - Leadership Communication (3)
    - JMC600 - Seminar in International Mass Communication (3)
    - JMC601 - Media, Culture, Gender, and Race (3)
    - JMC620 - Strategic Communications (3)
    - JMC658 - New Technologies (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Dr. Joy Humphreys (270-) 809-4259 jhumphreys4@murraystate.edu

Default Advisor

J. Humphreys

Business Administration (MBA: Master of Business Administration) - Business Administration/Health Administration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Business Administration (MBA: Master of Business Administration) - Business Administration/Health Administration

Degree

MBA: Master of Business Administration

CIP Code

520101

Specialization Level

Graduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ACC604 - Accounting for Decision Making (3)
    - CIS623 - Introduction to Business Analytics (3)
    - ECO625 - Managerial Economics (3)
    - FIN602 - Corporate Finance (3)
    - MGT651 - Seminar in Organizational Behavior (3)
    - MGT656 - Seminar in Strategic Management (3)
    - MKT667 - Market Planning and Application (3)
  - Completed the following:
    - HIA601 - Overview of the Healthcare Delivery System (3)
    - HIA605 - Health Administration and Management (3)
    - HIA610 - Healthcare Planning (3)
    - HIA615 - Financial Aspects of Health Service Organizations (3)

Grand Total Credits: **33**

Minimum Credential Hours

30

Specialization Contact Information

Dr. Joy Humphreys (270) 809-4259 jhumphreys4@murraystate.edu

Default Advisor

J. Humphreys

Business Administration (MBA: Master of Business Administration) - Business Administration/Human Resources Management

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Business Administration (MBA: Master of Business Administration) - Business Administration/Human Resources Management

Degree

MBA: Master of Business Administration

CIP Code

520101

Specialization Level

Graduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ACC604 - Accounting for Decision Making (3)
    - CIS623 - Introduction to Business Analytics (3)
    - ECO625 - Managerial Economics (3)
    - FIN602 - Corporate Finance (3)
    - MGT651 - Seminar in Organizational Behavior (3)
    - MGT656 - Seminar in Strategic Management (3)
    - MKT667 - Market Planning and Application (3)
  - Earned at least 9 credits from the following:
    - MGT653 - Seminar in Human Resource Staffing (3)
    - MGT654 - Seminar in Human Resource Management (3)
    - MGT655 - Seminar in Organization Development (3)
    - MGT657 - Seminar in International Management (3)
    - MGT658 - Advanced Topics in Human Resources (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Dr. Joy Humphreys (270) 809-4259 jhumphreys4@murraystate.edu

Default Advisor

J. Humphreys

Business Administration (MBA: Master of Business Administration) - Business Administration/Marketing

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Business Administration (MBA: Master of Business Administration) - Business Administration/Marketing

Degree

MBA: Master of Business Administration

CIP Code

520101

Specialization Level

Graduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ACC604 - Accounting for Decision Making (3)
    - CIS623 - Introduction to Business Analytics (3)
    - ECO625 - Managerial Economics (3)
    - FIN602 - Corporate Finance (3)
    - MGT651 - Seminar in Organizational Behavior (3)
    - MGT656 - Seminar in Strategic Management (3)
    - MKT667 - Market Planning and Application (3)
  - Earned at least 9 credits from the following:
    - JMC602 - Seminar in Advertising (3)
    - MKT645 - Seminar in New Product Development (3)
    - MKT663 - Advanced Consumer Behavior (3)
    - MKT669 - Seminar in Global Marketing (3)
    - MKT675 - Seminar in Digital Marketing (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Dr. Joy Humphreys (270) 809-4259 jhumphreys4@murraystate.edu

Default Advisor

J. Humphreys

Business Administration (Minor)

Program Name

Business Administration

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Completed the following:
  - ACC200 - Principles of Financial Accounting (3)
  - ACC201 - Principles of Managerial Accounting (3)
  - CSC199 - Introduction to Information Technology (3)
  - ECO230 - Macroeconomics (3)
  - ECO231 - Microeconomics (3)
  - FIN330 - Principles of Finance (3)
  - MGT358 - Entrepreneurial Business Plan Development (3)
  - MKT360 - Principles of Marketing (3)

Grand Total Credits: **24**

Minimum Credential Hours

21

Program Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196 msu.mgtmkt@murraystate.edu

Default Advisor

Dept Chair

Business Administration (area) (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business)

Program Name

Business Administration (area)

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

520101

Program Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Graduation Requirements

A maximum of three hours of cooperative education credit counts toward the degree.

Program Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements
    - Complete all of the following
      - Completed the following:
        - ACC200 - Principles of Financial Accounting (3)
        - ACC201 - Principles of Managerial Accounting (3)
        - BUS215 - Business Communication (3)
        - BAC355 - Information Systems and Decision Making (3)
        - BAC442 - Business Ethics and Environments (3)
        - ECO310 - Issues in the Global Economy (3)
        - FIN330 - Principles of Finance (3)
        - LSC343 - Fundamentals of Operations and Technology (3)
        - LST240 - The Legal Environment of Business (3)
        - MGT350 - Fundamentals of Management (3)
        - MGT590 - Strategic Management (3)
        - MKT360 - Principles of Marketing (3)
      - Completed at least 1 courses from: Courses from -
        - CIS243 - Business Statistics I (2)
        - STA135 - Introduction to Probability and Statistics (4)

        Must earn minimum grade of C in all selected courses
      - Completed at least 1 of the following:
        - CIS343 - Business Statistics II (2)
        - STA265 - Methods of Statistics and Data Science (3)
  - Completed the following:
    - BUS100T - Transitions (1)
    - BUS396 - International Business Seminar (3)
    - BUS515 - Communicating in an International Business Environment (3)
    - COM340 - Intercultural Communication (3)
    - ECO315 - Comparative Economic Systems (3)
    - ECO410 - Economic Development (3)
    - ECO460 - International Trade and Finance (3)
    - FIN461 - International Financial Management (3)
    - MGT557 - International Management (3)
    - MKT568 - Global Marketing Management (3)
  - Business Electives: BSB: 27 hours of business electives, not to exceed nine hours in any one prefix, with at least 18 hours at the 300-level or above BAB: 21 hours of business electives, not to exceed nine hours in any one prefix, with at least 12 hours at the 300-level or above
  - Completed at least 21 credits from the following types of courses:
    Business Electives

Grand Total Credits: **89 - 92**

Minimum Credential Hours

120

Program Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196
msu.mgtmkt@murraystate.edu

Default Advisor

L. Johnsonius

Business Administration (area) (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Business Administration/International Business Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Business Administration (area) (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Business Administration/International Business Track

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

520101

Specialization Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Specialization Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Graduation Requirements

A maximum of three hours of cooperative education credit counts toward the degree.

Specialization Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements
    - Complete all of the following
      - Completed the following:
        - ACC200 - Principles of Financial Accounting (3)

            - ACC201 - Principles of Managerial Accounting (3)
            - BUS215 - Business Communication (3)
            - BAC355 - Information Systems and Decision Making (3)
            - BAC442 - Business Ethics and Environments (3)
            - ECO310 - Issues in the Global Economy (3)
            - FIN330 - Principles of Finance (3)
            - LSC343 - Fundamentals of Operations and Technology (3)
            - LST240 - The Legal Environment of Business (3)
            - MGT350 - Fundamentals of Management (3)
            - MGT590 - Strategic Management (3)
            - MKT360 - Principles of Marketing (3)
        - Completed at least 1 courses from: Courses from -
            - CIS243 - Business Statistics I (2)
            - STA135 - Introduction to Probability and Statistics (4)

          Must earn minimum grade of C in all selected courses
        - Completed at least 1 of the following:
            - CIS343 - Business Statistics II (2)
            - STA265 - Methods of Statistics and Data Science (3)
    - 21 - 27 hours of business electives, not to exceed nine hours in any one prefix, with at least 15 hours at the 300-level or above. Electives must include 12 credits from the courses listed below. BSB students must have 27 hours of business electives and BAB students must have 21.
    - Earned at least 12 credits from the following:
        - BUS100T - Transitions (1)
        - BUS396 - International Business Seminar (3)
        - BUS515 - Communicating in an International Business Environment (3)
        - ECO311 - European Economic History (3)
        - ECO315 - Comparative Economic Systems (3)
        - ECO320 - Women in the Global Economy (3)
        - ECO325 - Economics of Corruption in Transition and Developing Countries (3)
        - ECO410 - Economic Development (3)
        - ECO460 - International Trade and Finance (3)
        - LSC475 - International Transportation and Logistics Management (3)
        - MGT557 - International Management (3)
        - MKT568 - Global Marketing Management (3)
    - Nine hours of electives, with at least three hours at the 300-level or above. Select from the courses below:
    - Earned at least 9 credits from the following:
        - AGR533 - Seminar in International Agriculture Systems (3)
        - ANT311 - Anthropology of Complex Societies (3)
        - ARC325 - Hunter-Gatherer Ethnoarchaeology (3)
        - COM340 - Intercultural Communication (3)
        - CRJ300 - Crime and Criminals (3)
        - EES330 - Economic Geography (3)
        - ENG250 - Contemporary World Literature (3)
        - ENG303 - British Literature to 1760 (3)
        - ENG304 - British Literature, 1760 to the Present (3)
        - ENG305 - Survey of World Literature, 1700-1945 (3)
        - ENG306 - Contemporary Literature (3)
        - ENG307 - World Literature to 1830 (3)
        - ENG308 - World Literature, 1830 to the Present (3)
        - ENG315 - Global Cinema (3)
        - HIS352 - 20th Century World (3)
        - HIS479 - Comparative History Topics (3)
        - HIS481 - Revolutionary Mexico 1810 to the Present (3)
        - JMC400 - International Mass Communications (3)
        - SOC250 - Global Sociology (3)
        - SOC440 - Sociology of Corporate and Political Deviance (3)
        - SOC465 - Globalization (3)
        - SPA311 - Business Spanish (3)
        - SWK346 - International Social Work (3)
        - SWK442 - Immigration and Social Work: A Global Perspective (3)
    - Or HIS 401 - 415; POL 450 - 459; or any course which satisfies the University Studies Global

Awareness requirement.

Grand Total Credits: **61 - 64**

Minimum Credential Hours

120

Specialization Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196 msu.mgtmkt@murraystate.edu

Default Advisor

L. Johnsonius

Business Administration (associate) (AA: Associate of Arts)

Program Name

Business Administration (associate)

Degree

AA: Associate of Arts

CIP Code

520101

Program Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Major

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Graduation Requirements

Elective courses must be approved by advisor.

Specifically Required University Studies

- Complete all of the following
  - Completed at least 1 of the following:
    - MAT220 - Business Calculus (3)
    - MAT250 - Calculus and Analytic Geometry I (5)
  - Completed the following:
    - ECO230 - Macroeconomics (3)
    - ECO231 - Microeconomics (3)
    - CSC199 - Introduction to Information Technology (3)

Grand Total Credits: **12 - 14**

Program Requirements

- Complete all of the following
  - Completed the following:
    - ACC200 - Principles of Financial Accounting (3)
    - ACC201 - Principles of Managerial Accounting (3)
    - BUS215 - Business Communication (3)
    - CIS243 - Business Statistics I (2)
    - LST240 - The Legal Environment of Business (3)
  - Earned at least 3 credits from the following course sets:
    Business Electives

Grand Total Credits: **17**

Minimum Credential Hours

60

Program Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196 msu.mgtmkt@murraystate.edu

Default Advisor

Linda Johnsonius

Business Administration (major) (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business)

Program Name

Business Administration (major)

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

520101

Program Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Major

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Graduation Requirements

A maximum of three hours of cooperative education credit may count toward the degree.

Program Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements
    - Complete all of the following
      - Completed the following:
        - ACC200 - Principles of Financial Accounting (3)
        - ACC201 - Principles of Managerial Accounting (3)
        - BUS215 - Business Communication (3)
        - BAC355 - Information Systems and Decision Making (3)
        - BAC442 - Business Ethics and Environments (3)
        - ECO310 - Issues in the Global Economy (3)
        - FIN330 - Principles of Finance (3)
        - LSC343 - Fundamentals of Operations and Technology (3)
        - LST240 - The Legal Environment of Business (3)
        - MGT350 - Fundamentals of Management (3)
        - MGT590 - Strategic Management (3)
        - MKT360 - Principles of Marketing (3)
      - Completed at least 1 courses from: Courses from -
        - CIS243 - Business Statistics I (2)
        - STA135 - Introduction to Probability and Statistics (4)

        Must earn minimum grade of C in all selected courses
      - Completed at least 1 of the following:
        - CIS343 - Business Statistics II (2)
        - STA265 - Methods of Statistics and Data Science (3)
  - Completed the following:
    - BUS100T - Transitions (1)
    - BUS396 - International Business Seminar (3)
    - BUS515 - Communicating in an International Business Environment (3)
    - COM340 - Intercultural Communication (3)
    - ECO315 - Comparative Economic Systems (3)
    - ECO410 - Economic Development (3)
    - ECO460 - International Trade and Finance (3)
    - FIN461 - International Financial Management (3)
    - MGT557 - International Management (3)
    - MKT568 - Global Marketing Management (3)
  - Earned at least 6 credits from the following course sets:
    Business Electives
  - Completed at least 21 credits from the following types of courses:
    Required Minor

Grand Total Credits: **95 - 98**

Minimum Credential Hours

120

Program Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196
msu.mgtmkt@murraystate.edu

Default Advisor

L Johnsonius

Business Economics (Minor)

Program Name

Business Economics

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Economics and Finance

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Completed the following:
  - ACC200 - Principles of Financial Accounting (3)
  - CIS243 - Business Statistics I (2)
  - CIS343 - Business Statistics II (2)
  - ECO230 - Macroeconomics (3)
  - ECO231 - Microeconomics (3)
  - ECO305 - Money and Banking (3)
  - ECO330 - Intermediate Macroeconomics (3)
  - ECO331 - Intermediate Microeconomics (3)

Grand Total Credits: **22**

Minimum Credential Hours

21

Program Contact Information

Department of Economics and Finance 307 Business Building (270) 809-4188 msu.ecofin@murraystate.edu

Default Advisor

Dept Chair

Community Recreation (Minor)

Program Name

Community Recreation

Degree

Minor

Program Level

Undergraduate

Department

Organizational Communication and Leadership

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - NLS101 - Introduction to Recreation and Leisure Services (3)
    - NLS207 - Diversity and Inclusion in a Global Society (3)
    - NLS302 - Special Event Management (3)
    - NLS306 - Aging in American Society (3)
    - NLS350 - Program Development (3)
    - NLS405 - Organization and Administration of Recreation (3)
  - Earned at least 3 credits from the following:
    - NLS104 - Rural Tourism (3)
    - NLS352 - Human Resource and Volunteer Development (3)
    - NLS403 - Nonprofit and Recreation Facilities (3)
    - NLS410 - Technology Skills for Community Organizations (3)
    - NLS470 - Interpretation of Cultural and Natural Resources (3)
    - NLS490 - National Recreation Sites and Rural Tourism Traveling Workshop (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Organizational Communication and Leadership 312 Wilson Hall (270) 809-4483

Default Advisor

Dept Chair

Computer Information Systems (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business)

Program Name

Computer Information Systems

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

110103

Program Level

Undergraduate

Department

Computer Science and Information Systems

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Description

Students completing the area in computer information systems are well prepared for a variety of careers in business and industry, as this program provides a strong foundation in business with an equally strong immersion in the technology that drives modern businesses, typical career paths include management of people, assets and technologies. They are also equipped with a skill set that makes them effective communicators between the technology in all its complexity and the user who needs the technology to operate efficiently. Students earn a Bachelor of Science or Bachelor of Arts in Business (BSB or BAB). This program is amenable to a 2+2 format where the first two years are completed at a local community college.

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Graduation Requirements

The courses listed for admission to the College of Business, see the *Arthur J. Bauernfeind College of Business* section of the Bulletin, are required for this area if not taken in University Studies or the Business Core.

A maximum of one cooperative education/internship course is allowed. A minimum of three hours of restricted electives must be upper-level.

Restricted electives in EES may also count toward earning a certificate in geographic information systems.

Program Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements (Computer Information Systems)
    - Complete all of the following
      - Completed the following:
        - ACC200 - Principles of Financial Accounting (3)
        - ACC201 - Principles of Managerial Accounting (3)
        - BUS215 - Business Communication (3)
        - BAC442 - Business Ethics and Environments (3)
        - CIS307 - Decision Support Technologies (3)
        - ECO310 - Issues in the Global Economy (3)
        - FIN330 - Principles of Finance (3)
        - LSC343 - Fundamentals of Operations and Technology (3)
        - LST240 - The Legal Environment of Business (3)
        - MGT350 - Fundamentals of Management (3)
        - MGT590 - Strategic Management (3)
        - MKT360 - Principles of Marketing (3)
      - Completed at least 1 courses from: Courses from -
        - CIS243 - Business Statistics I (2)
        - STA135 - Introduction to Probability and Statistics (4)

        Must earn minimum grade of C in all selected courses
      - Completed at least 1 of the following:
        - CIS343 - Business Statistics II (2)
        - STA265 - Methods of Statistics and Data Science (3)
  - Completed the following:
    - CSC100T - Transitions (1)
  - Completed the following:
    - CIS317 - Principles of Information Systems Analysis and Design (3)
    - CIS399 - Topics in Information Systems (1)
    - CIS420 - Senior Capstone Project (3)
    - CSC101 - Introduction to Problem Solving Using Computers (3)
    - CSC125 - Internet and Web Page Design (3)
    - CSC145 - Introduction to Programming (3)
    - CNM135 - Introduction to Network Technology (3)
  - Completed at least 1 of the following:
    - CSC232 - Introduction to Programming in C# (3)
    - CSC233 - Programming in Python (3)
  - Completed at least 1 of the following:
    - CIS325 - E-Business Programming (3)
    - CSC332 - Advanced Programming in C# (3)
    - CSC345 - Data Structures (3)
    - CIS361 - Developing Data Products (3)
  - Co-Requirements:
  - Completed at least 1 of the following:
    - CIS407 - Advanced Database Management (3)

        - CIS509 - Data Management for Data Warehouses (3)
    - Restricted Electives:
    - Earned at least 9 credits from the following:
        - BUS485 - Geospatial Tools in Business (3)
        - CIS325 - E-Business Programming (3)
        - CIS361 - Developing Data Products (3)
        - CIS417 - Software Development Technologies (3)
        - CIS425 - Building E-Business with Web Design (3)
        - CIS488 - Cooperative Education/Internship (1 - 3)
        - CIS509 - Data Management for Data Warehouses (3)
        - CIS525 - Overview of E-Business Technologies (3)
        - CIS543 - Advanced Business Analytics (3)
        - CIS548 - Enterprise Resource Planning (3)
        - CSC233 - Programming in Python (3)
        - CSC235 - Programming in C++ (3)
        - CSC310 - Database Administration (3)
        - CSC332 - Advanced Programming in C# (3)
        - CSC345 - Data Structures (3)
        - CSC360 - Scripting Languages (3)
        - CSC540 - Social, Ethical and Professional Issues in the Information Age (3)
        - EES202 - Introduction to Geographic Information Science (4)
        - EES512 - Remote Sensing (4)
        - EES521 - Geographic Information Systems (4)
        - FIN332 - Financial Management (3)
        - FIN333 - Principles of Investment (3)
        - FIN421 - Financial Models (3)
        - FIN520 - Risk Management (3)
        - LSC452 - Process Management (3)
        - LSC461 - Principles of Purchasing and Supply Management (3)
        - LSC470 - Introduction to Quantitative Decision Making (3)
        - LSC480 - Supply Chain Management Strategy (3)
        - MGT490 - Entrepreneurial Consulting (3)
        - MGT550 - Human Resource Management (3)
        - MGT551 - Organizational Behavior (3)
        - MGT558 - Advanced Topics in Human Resources (3)
        - MKT475 - Digital Marketing (3)
        - CNM232 - Operating Systems (3)
        - CNM241 - Networking Fundamentals (3)
        - CNM351 - Principles of Information Security (3)
        - CNM440 - Information Assurance Policy and Management (3)
        - CNM517 - Systems Planning (3)

Grand Total Credits: **78 - 81**

Minimum Credential Hours

120

Program Contact Information

Department of Computer Science and Information Systems 652 Business Building (270) 809-2094
msu.csis@murraystate.edu

Default Advisor

L. Johnsonius

Computer Information Systems (Minor)

Program Name

Computer Information Systems

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Computer Science and Information Systems

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - CIS307 - Decision Support Technologies (3)
    - CIS317 - Principles of Information Systems Analysis and Design (3)
    - CSC101 - Introduction to Problem Solving Using Computers (3)
    - CSC125 - Internet and Web Page Design (3)
    - CSC199 - Introduction to Information Technology (3)
    - CSC232 - Introduction to Programming in C# (3)
  - Completed at least 1 of the following:
    - CIS407 - Advanced Database Management (3)
    - CIS525 - Overview of E-Business Technologies (3)
    - CIS543 - Advanced Business Analytics (3)
    - CIS548 - Enterprise Resource Planning (3)
    - CSC310 - Database Administration (3)
    - CSC332 - Advanced Programming in C# (3)
    - CNM517 - Systems Planning (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Computer Science and Information Systems 652 Business Building (270) 809-2094 msu.csis@murraystate.edu

Default Advisor

Dept Chair

Computer Science (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Computer Science

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

110701

Program Level

Undergraduate

Department

Computer Science and Information Systems

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Area

Description

Students pursuing a major (or area) in computer science may choose to specialize in “threads of emphasis”. At the beginning of their third year, students are encouraged to pick one of four threads – graphics and visual computing, net-centric computing, embedded system programming, or applications programming – and develop their expertise in the form of project enhancements as they learn new concepts in various classes. By their senior year, they have a substantial software product worthy of two years’ focused effort. This gives our students an opportunity to put into practice the theoretical constructs developed in the classroom. Students electing to go with a major are required to broaden their horizons by selecting a minor program of study, such as math, business, art, or telecommunications. The area has the same required courses as the major. The remaining hours are courses chosen from multiple disciplines with the approval of their advisor.

Program Requirements

- Complete all of the following
  - Completed the following:
    - CSC100T - Transitions (1)
    - CSC101 - Introduction to Problem Solving Using Computers (3)
    - CSC145 - Introduction to Programming (3)
    - CSC300 - Discrete Structures (3)
    - CSC325 - Advanced Object-Oriented Programming (3)
    - CSC345 - Data Structures (3)
    - CSC405 - Computer Architecture (3)
    - CSC410 - Parallel and Distributed Computing (3)
    - CSC415 - Programming Languages (3)
    - CSC425 - Mobile and Web Programming (3)
    - CSC430 - Software Construction (3)
    - CSC445 - Computer Algorithms (3)
    - CSC455 - Computer Security (3)
    - CSC540 - Social, Ethical and Professional Issues in the Information Age (3)
  - Completed at least 1 of the following:
    - CIS407 - Advanced Database Management (3)
    - CIS509 - Data Management for Data Warehouses (3)
  - Completed at least 1 of the following:
    - CSC530 - Senior Software Project (3)
    - CIS420 - Senior Capstone Project (3)
  - Completed at least 1 of the following:
    - CSC232 - Introduction to Programming in C# (3)
    - CSC233 - Programming in Python (3)
    - CSC235 - Programming in C++ (3)
  - Co-Requirements:
  - Completed the following:
    - MAT250 - Calculus and Analytic Geometry I (5)
    - CNM135 - Introduction to Network Technology (3)
  - Complete 1 of the following
    - Completed the following:
      - STA135 - Introduction to Probability and Statistics (4)
    - Completed the following:
      - CIS243 - Business Statistics I (2)
      - CIS343 - Business Statistics II (2)
    - Completed the following:
      - STA540 - Mathematical Statistics I (4)

Grand Total Credits: **61**

Minimum Credential Hours

120

Program Contact Information

Department of Computer Science and Information Systems 652 Business Building (270) 809-2094
msu.csis@murraystate.edu

Default Advisor

M Tennyson

Computer Science (BA/BS: Bachelor of Arts or Bachelor of Science) - Computer Science/Data Science Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Computer Science (BA/BS: Bachelor of Arts or Bachelor of Science) - Computer Science/Data Science Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

110701

Specialization Level

Undergraduate

Department

Computer Science and Information Systems

College

Arthur J. Bauernfeind College of Business

Specialization Type

Area

Graduation Requirements

MAT 250 is required for the area if not taken as a University Studies elective.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - CSC100T - Transitions (1)
    - CSC101 - Introduction to Problem Solving Using Computers (3)
    - CSC145 - Introduction to Programming (3)
    - CSC233 - Programming in Python (3)
    - CSC300 - Discrete Structures (3)
    - CSC325 - Advanced Object-Oriented Programming (3)
    - CSC345 - Data Structures (3)
    - CSC405 - Computer Architecture (3)
    - CSC410 - Parallel and Distributed Computing (3)
    - CSC415 - Programming Languages (3)
    - CSC425 - Mobile and Web Programming (3)
    - CSC430 - Software Construction (3)
    - CSC445 - Computer Algorithms (3)
    - CSC455 - Computer Security (3)
    - CSC540 - Social, Ethical and Professional Issues in the Information Age (3)
  - Completed at least 1 of the following:
    - CIS407 - Advanced Database Management (3)
    - CIS509 - Data Management for Data Warehouses (3)
  - Completed at least 1 of the following:
    - CSC530 - Senior Software Project (3)
    - CIS420 - Senior Capstone Project (3)
  - Co-Requirements:
  - Completed the following:
    - MAT250 - Calculus and Analytic Geometry I (5)
    - MAT335 - Matrix Theory and Linear Algebra (3)
  - Complete all of the following
    - Completed the following:
      - STA135 - Introduction to Probability and Statistics (4)
    - Completed the following:
      - STA540 - Mathematical Statistics I (4)
    - Completed the following:
      - CIS243 - Business Statistics I (2)
      - CIS343 - Business Statistics II (2)
  - Data Science Track Requirements:
  - Completed the following:
    - CSC508 - Data Analysis and Pattern Classification for Machine Learning (3)
    - CIS543 - Advanced Business Analytics (3)
    - STA565 - Applied Statistics I (4)
    - STA567 - Introduction to Time Series Analysis (3)
    - STA568 - Bayesian Methods (3)

Grand Total Credits: **85**

Minimum Credential Hours

120

Specialization Contact Information

Department of Computer Science and Information Systems 652 Business Building (270) 809-2094
msu.csis@murraystate.edu

Default Advisor

M. Tennyson

Computer Science (BA/BS: Bachelor of Arts or Bachelor of Science) - Computer

Computer Science (BA/BS: Bachelor of Arts or Bachelor of Science) - Computer Science/Game Development

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Computer Science (BA/BS: Bachelor of Arts or Bachelor of Science) - Computer Science/Game Development

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

110701

Specialization Level

Undergraduate

Department

Computer Science and Information Systems

College

Arthur J. Bauernfeind College of Business

Specialization Type

Area

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - CSC100T - Transitions (1)
    - CSC101 - Introduction to Problem Solving Using Computers (3)
    - CSC145 - Introduction to Programming (3)
    - CSC300 - Discrete Structures (3)
    - CSC325 - Advanced Object-Oriented Programming (3)
    - CSC345 - Data Structures (3)
    - CSC405 - Computer Architecture (3)
    - CSC410 - Parallel and Distributed Computing (3)
    - CSC415 - Programming Languages (3)
    - CSC425 - Mobile and Web Programming (3)
    - CSC430 - Software Construction (3)
    - CSC445 - Computer Algorithms (3)
    - CSC455 - Computer Security (3)
    - CSC540 - Social, Ethical and Professional Issues in the Information Age (3)
  - Completed at least 1 of the following:
    - CIS407 - Advanced Database Management (3)
    - CIS509 - Data Management for Data Warehouses (3)
  - Completed at least 1 of the following:
    - CSC530 - Senior Software Project (3)
    - CIS420 - Senior Capstone Project (3)
  - Completed at least 1 of the following:
    - CSC232 - Introduction to Programming in C# (3)
    - CSC233 - Programming in Python (3)
    - CSC235 - Programming in C++ (3)
  - Co-requirements:
  - Completed the following:
    - ENG214 - Introduction to Creative Writing (3)
    - MAT250 - Calculus and Analytic Geometry I (5)
    - MAT335 - Matrix Theory and Linear Algebra (3)
  - Completed at least 1 of the following:
    - STA135 - Introduction to Probability and Statistics (4)
    - STA540 - Mathematical Statistics I (4)
    - CIS243 - Business Statistics I (2)
  - Complete 1 of the following
    - Completed the following:
      - PHY130 - General Physics I (3)
      - PHY131 - General Physics I Laboratory (1)
    - Completed the following:
      - PHY235 - Mechanics, Heat and Wave Motion (4)
      - PHY236 - Mechanics, Heat and Wave Motion Laboratory (1)
  - Restricted Electives:
  - Completed the following:
    - CSC275 - Introduction to Game Programming (3)
    - CSC515 - Computer Graphics Programming (3)
    - CSC575 - Computer Animation and Game Development (3)
  - Completed at least 2 of the following:
    - CSC370 - Introduction to Artificial Intelligence (3)
    - ART350 - Introduction to Graphic Design I: Digital Art (3)
    - ART354 - Illustration (3)
    - ART357 - Motion Graphics (3)
    - ART362 - Digital Sculpt: 3D Modeling and Printing (3)
    - JMC270 - Media Production (3)

Grand Total Credits: **81 - 84**

Minimum Credential Hours

120

Specialization Contact Information

Department of Computer Science and Information Systems 652 Business Building (270) 809-2094
msu.csis@murraystate.edu

Default Advisor

M. Tennyson

Computer Science (Minor)

Program Name

Computer Science

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Computer Science and Information Systems

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - CSC101 - Introduction to Problem Solving Using Computers (3)
    - CSC145 - Introduction to Programming (3)
    - CSC300 - Discrete Structures (3)
    - CSC325 - Advanced Object-Oriented Programming (3)
    - CSC345 - Data Structures (3)
    - CSC445 - Computer Algorithms (3)
  - Completed at least 1 of the following:
    - CSC405 - Computer Architecture (3)
    - CSC410 - Parallel and Distributed Computing (3)
    - CSC415 - Programming Languages (3)
    - CSC425 - Mobile and Web Programming (3)
    - CSC530 - Senior Software Project (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Computer Science and Information Systems 652 Business Building (270) 809-2094
msu.csis@murraystate.edu

Default Advisor

Dept Chair

Cybersecurity Management (MS: Master of Science)

Program Name

Cybersecurity Management

Degree

MS: Master of Science

CIP Code

111003

Program Level

Graduate

Department

Computer Science and Information Systems

College

Arthur J. Bauernfeind College of Business

Graduate Program Type

Graduate Degree

Description

The Cybersecurity Management program prepares students for a wide spectrum of information security careers. Examples of potential student job titles are Information Security Officer, IT Risk and Compliance Analyst, Security Analyst, IT Risk and Compliance Analyst, Cybersecurity Manager, Chief Information Security Officer, and Information Security Manager.

Requirements for Admission

Unconditional

An applicant may be granted unconditional admission in the program if he/she 1) has attained the required Graduate Management Admission Test (GMAT) or the Graduate Record Examination (GRE) score (see formulas below), 2) has a cumulative GPA of 2.75 or better in his/her undergraduate program, and 3) has no more than three failing grades in their undergraduate transcript.

An applicant must attain an acceptable GMAT or GRE score using the following formulas that combine the undergraduate grade point average (UGPA) and attained score on either the GMAT or GRE exam.

For unconditional admission to the program, an applicant must satisfy one of two formulas:
GMAT Users: (200 x UGPA) + Applicant's earned GMAT Score ≥ 1,000
GRE Users: Applicant's earned GRE Score ≥ 321 - (11.66 x UGPA)

An applicant whose native language is not English must meet all admission requirements specified in the international student admission section of Murray State University Bulletin, and meet minimum exam scores of either of the following exams:
Internet-based TOEFL (iBT): Score at least 79 with a minimum score of 16 in each band.
IELTS: 6.5 minimum on Academic Test with no band less than 6.0.

Note: The GRE formula uses the combined score from the quantitative and verbal sections only. Ask the Educational Testing Service (ETS) to send scores directly to Murray State University using the institution code: 1494.

Conditional

An applicant who has not taken the GMAT or GRE will be granted conditional admission to the CYS-MS program if the applicant's UGPA is at least 2.75 (on a 4.00 scale), or if the applicant's last sixty hours of undergraduate study GPA is at least 3.00. International students are not admitted conditionally, meaning they must take and pass the GMAT or GRE before coming to the United States.

Full admission to the program will be granted in one of only two ways, namely:
1) The applicant takes CYS 601, CYS 615, and one other core course (CYS 603, CYS 630, CYS 625, CYS 640, or CYS 645) as their first nine hours of the program and earns a GPA not less than 3.33 from the three core courses; or
2) the applicant takes the GMAT or GRE and meets the unconditional admission formula within their first semester in the program.

If neither of these two conditions are met, the student will be dropped from the program even if they have already taken graduate coursework.

Graduation Requirements

In order to receive the degree, a candidate must earn a minimum grade point average of 3.00 on all graduate courses taken at Murray State University. Repeating a graduate course does not cancel a previous grade in the course. A candidate may not repeat a course in which a previous grade of *A* or *B* was earned for credit.

A minimum grade of *C* is required to receive credit for a graduate course. No more than one *C* will be accepted in fulfillment of the eight Cybersecurity Management core courses. A candidate is awarded one "quality deficit point" for each grade of *C* received, two points for each *D*, and three points for each *E*. Upon receipt of four quality deficit points, a candidate is dropped from the program without opportunity for readmission except by special permission.

Program Requirements

- Complete all of the following
  - Completed the following:
    - CYS601 - Data Communications and Networking (3)
    - CYS603 - Project Management (3)
    - CYS615 - Information System Security (3)
    - CYS625 - Information Security Risk Management (3)
    - CYS630 - Telecommunications Legal Environment: Law, Policy, and Regulation (3)
    - CYS640 - Incident Management and Business Continuity (3)
    - CYS645 - Infomation Security Program Management (3)
    - CYS680 - Information Security Solutions Development (3)
  - Completed at least 2 of the following:
    - ACC607 - Forensic Accounting (3)
    - CYS688 - Information Security Practicum (3)
    - CYS695 - Comprehensive Project in Information Security (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Program Contact Information

Coordinator - Marcia Combs Ford (270) 809-3661

Default Advisor

M. Ford

Data Analytics (Minor)

Program Name

Data Analytics

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Computer Science and Information Systems

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Students taking the EES sequence automatically earn the Geographic Information Science certificate. This is noted on the transcript. The courses in the EES certificate sequence are 4 credits each.

Program Requirements

- Complete all of the following
  - Completed at least 1 of the following:
    - CSC145 - Introduction to Programming (3)
    - CSC232 - Introduction to Programming in C# (3)
    - CSC233 - Programming in Python (3)
  - Completed at least 1 of the following:
    - CIS407 - Advanced Database Management (3)
    - CIS509 - Data Management for Data Warehouses (3)
  - Completed at least 1 of the following:
    - CIS543 - Advanced Business Analytics (3)
    - CSC508 - Data Analysis and Pattern Classification for Machine Learning (3)
  - Completed the following:
    - STA565 - Applied Statistics I (4)
    - STA567 - Introduction to Time Series Analysis (3)
  - Completed at least 2 of the following:
    - CSC375 - Introduction to Machine Learning (3)
    - CIS361 - Developing Data Products (3)
    - EES202 - Introduction to Geographic Information Science (4)
    - EES205 - Mapping for Society (3)
    - EES512 - Remote Sensing (4)
    - EES521 - Geographic Information Systems (4)

Grand Total Credits: **22 - 24**

Minimum Credential Hours

21

Program Contact Information

Department of Computer Science and Information Systems 652 Business Building (270) 809-2094 msu.csis@murraystate.edu

Default Advisor

Dept Chair

Economic Development (CERT: Certificate)

Program Name

Economic Development

Degree

CERT: Certificate

CIP Code

450604

Program Level

Graduate

Department

Economics and Finance

College

Arthur J. Bauernfeind College of Business

Graduate Program Type

Graduate Certificate

Program Requirements

- Completed the following:
  - ECO610 - Introduction to Economic Development (3)
  - ECO611 - Economic Development Methods (3)
  - FIN610 - Economic Development Finance (3)
  - ECO615 - Directed Study in Economic Development (3)

Grand Total Credits: **12**

Minimum Credential Hours

12

Program Contact Information

Department of Economics and Finance 307 Business Building (270) 809-4188 msu.ecofin@murraystate.edu

Default Advisor

Dept Chair

Economic Development (MS: Master of Science)

Program Name

Economic Development

Degree

MS: Master of Science

CIP Code

450601

Program Level

Graduate

Department

Economics and Finance

College

Arthur J. Bauernfeind College of Business

Graduate Program Type

Graduate Degree

Description

The MS in Economic Development will prepare students to work in the field of local and regional economic development. The curriculum is designed to give students both classroom and practical training in the methods of economic development in the United States. Students who graduate from this program should have the equivalent of two years of experience working in an economic development agency. In addition, students should have the ability to lead a small economic development agency. It is our desire that students from this program pursue certification with the IEDC and become certified economic development professionals.

Requirements for Admission

The program will be a cohort-based program running from August to August. Students will be required to have a Bachelor's degree from an accredited college or university with a minimum GPA of 2.75 for their undergraduate work. Applicants with a 2.75 GPA also need a 450 on the GMAT or a 289 on the GRE. Applicants with an undergraduate GPA of at least 3.0 must score 400 of the GMAT or 286 on the GRE. It is recommended that students have basic courses in accounting, principles of economics and principles of finance prior to enrolling in the program.

Study Plans

The program has two start dates in the Fall and Spring semesters. Students can structure their degree over a 12-15-month period. All courses are offered in 8-week online sessions. Students are encouraged to meet with their advisor to determine the best schedule given current course offerings.

Graduation Requirements

Minimum overall grade point average of 3.00.

The Directed Study course provides the student the opportunity for further study in specialized areas of economic development according to their interests. The topic areas correspond with elective areas required for IECD certification.

Student interest and career path will determine elective courses (to be approved by advisor) which could include elective hours in public administration, nonprofit leadership studies, economics, statistics, geosciences and marketing.

Students who hold CEcD or any state-certified economic developer certification can get credit towards ECO 610 and FIN 610. Students who have at least a year of work experience in the field can get credit toward ECO 618. Students who have completed graduate courses in a related field can transfer up to 12 credit hours towards the Master's degree in Economic Development. These are considered on a case by case basis.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ECO610 - Introduction to Economic Development (3)
    - ECO611 - Economic Development Methods (3)
    - ECO620 - Economic Development Data Analytics (3)
    - ECO655 - Cost Benefit Analysis (3)
    - FIN610 - Economic Development Finance (3)
    - ECO617 - Capstone Project in Economic Development (3)
  - Required Limited Electives:
  - Completed the following:
    - ECO615 - Directed Study in Economic Development (3)
    - ECO618 - Internship in Economic Development (3)
  - Completed at least 6 credits from the following types of courses: Approved Electives; 600-level

Grand Total Credits: **30**

Minimum Credential Hours

30

Program Contact Information

Department of Economics and Finance 307 Business Building (270) 809-4188 msu.ecofin@murraystate.edu

Default Advisor

S. Silva

Economics (MS: Master of Science)

Program Name

Economics

Degree

MS: Master of Science

CIP Code

450601

Program Level

Graduate

Department

Economics and Finance

College

Arthur J. Bauernfeind College of Business

Graduate Program Type

Graduate Degree

Description

This program has been suspended and no new students are being admitted. For current program information, contact the chair of the department.

Program Contact Information

Department of Economics and Finance 307 Business Building (270) 809-4188 msu.ecofin@murraystate.edu

Default Advisor

N. Badasyan

Economics (MS: Master of Science) - Economics/Finance Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Economics (MS: Master of Science) - Economics/Finance Concentration

Degree

MS: Master of Science

CIP Code

450601

Specialization Level

Graduate

Department

Economics and Finance

College

Arthur J. Bauernfeind College of Business

Description

This program has been suspended and no new students are being admitted. For current program information, contact the chair of the department.

Minimum Credential Hours

30

Specialization Contact Information

Department of Economics and Finance 307 Business Building (270) 809-4188 msu.ecofin@murraystate.edu

Default Advisor

N. Badasyan

Economics (Minor)

Program Name

Economics

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Economics and Finance

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ECO230 - Macroeconomics (3)
    - ECO231 - Microeconomics (3)
    - ECO305 - Money and Banking (3)
    - ECO330 - Intermediate Macroeconomics (3)
    - ECO331 - Intermediate Microeconomics (3)
  - Completed at least 6 credits from the following types of courses:
    Business Electives

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Economics and Finance 307 Business Building (270) 809-4188 msu.ecofin@murraystate.edu

Default Advisor

Dept Chair

Economics (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Economics

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

450601

Program Level

Undergraduate

Department

Economics and Finance

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Major

Description

This program is recommended for pre-law.

Graduation Requirements

The total number of credit hours earned in business courses (ACC, BUS, CIS, FIN, MGT, MKT, RES, LST 240, and 540) cannot exceed 25 percent of total curriculum requirements.

Economics majors may select a minor from any business or non-business discipline, excluding any economics minor. If any course is required in the major and minor, a substitute course must be approved by an advisor to gain the total degree program hours.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - CSC199 - Introduction to Information Technology (3)
    - ECO230 - Macroeconomics (3)
    - ECO231 - Microeconomics (3)
  - Completed at least 1 of the following:
    - MAT220 - Business Calculus (3)
    - MAT250 - Calculus and Analytic Geometry I (5)

Grand Total Credits: **12 - 14**

Program Requirements

- Complete all of the following
  - Completed the following:
    - ECO100T - Transitions (1)
    - ECO305 - Money and Banking (3)
    - ECO330 - Intermediate Macroeconomics (3)
    - ECO331 - Intermediate Microeconomics (3)
    - ECO460 - International Trade and Finance (3)
    - ECO485 - Applied Econometrics (3)
    - ECO499 - Senior Seminar in Economics (1 - 3)
  - Co-Requirements:
  - Completed the following:
    - ACC200 - Principles of Financial Accounting (3)
  - Complete 1 of the following
    - Completed the following:
      - STA135 - Introduction to Probability and Statistics (4)
    - Completed the following:
      - CIS243 - Business Statistics I (2)
      - CIS343 - Business Statistics II (2)
  - Required Limited Electives:
  - Earned at least 9 credits from ECO 300 - 599, excluding courses numbered from 310 to 310
  - Completed at least 21 credits from the following types of courses:
    Required Minor

Grand Total Credits: **54 - 56**

Minimum Credential Hours

120

Program Contact Information

Department of Economics and Finance 307 Business Building (270) 809-4188 msu.ecofin@murraystate.edu

Default Advisor

N. Badasyan

Economics (BA/BS: Bachelor of Arts or Bachelor of Science) - Economics/Social Studies Certification (Grades 8-12) Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Economics (BA/BS: Bachelor of Arts or Bachelor of Science) - Economics/Social Studies Certification (Grades 8-12) Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

450601

Specialization Level

Undergraduate

Department

Economics and Finance

College

Arthur J. Bauernfeind College of Business

Specialization Type

Major

Graduation Requirements

CSC 199 must have a minimum grade of *C*.

EDU 480 must be taken with SEC 420 two semesters before student teaching.

SEC 422 must be taken one semester before student teaching.

Note: The total number of credit hours earned in business courses (ACC, BAC, BUS, CIS, FIN, MGT, MKT, RES, and LST 240) cannot exceed 25 percent of the total curriculum requirements.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - ECO230 - Macroeconomics (3)
    - ECO231 - Microeconomics (3)
    - CSC199 - Introduction to Information Technology (3)
  - Completed at least 1 of the following:
    - MAT220 - Business Calculus (3)
    - MAT250 - Calculus and Analytic Geometry I (5)
  - Certification requires a minimum grade of B in a University Studies math course, public speaking, and EDU 180 (or equivalent course). Additional requirements for admission to teacher education and student teaching must be met. See advisor and/or Office of Teacher Education Services for details.

Grand Total Credits: **12 - 14**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ACC200 - Principles of Financial Accounting (3)
    - ECO100T - Transitions (1)
    - ECO305 - Money and Banking (3)
    - ECO330 - Intermediate Macroeconomics (3)
    - ECO331 - Intermediate Microeconomics (3)
    - ECO460 - International Trade and Finance (3)
    - ECO498 - Research Methods in Economics (1 - 3)
    - ECO499 - Senior Seminar in Economics (1 - 3)
  - Complete 1 of the following
    - Completed the following:
      - STA135 - Introduction to Probability and Statistics (4)
    - Completed the following:
      - CIS243 - Business Statistics I (2)
      - CIS343 - Business Statistics II (2)
    - Earned at least 9 credits from ECO 300 - 599, excluding courses numbered from 310 to 310
  - Required Courses for Certification:
  - Completed the following:
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)
    - REA427 - Teaching Content Area Literacy in the Secondary School (1)
    - SEC420 - Practicum in Secondary Schools (3)
    - SEC421 - Student Teaching in the Secondary School (7 - 14)
    - SEC422 - Extended Practicum (4)
    - SED300 - Educating Students with Disabilities (3)
  - Completed at least 21 credits from the following types of courses:
    Required Minor: Choose either geography, history, political science, or social science minor. Social science minor is strongly recommended. Note: If any course is required in the major and minor, a substitute course must be approved by an advisor to gain the total degree program hours.

Grand Total Credits: **73 - 89**

Minimum Credential Hours

120

Specialization Contact Information

Department of Economics and Finance 307 Business Building (270) 809-4188 msu.ecofin@murraystate.edu

Default Advisor

N. Badasyan

Entrepreneurship (Minor)

Program Name

Entrepreneurship

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ACC200 - Principles of Financial Accounting (3)
    - MGT350 - Fundamentals of Management (3)
    - MGT358 - Entrepreneurial Business Plan Development (3)
    - MGT420 - Entrepreneurial Strategic Growth (3)
    - MKT360 - Principles of Marketing (3)
  - Earned at least 6 credits from the following:
    - ECO521 - Seminar in Economic Thought: Rand's Objectivism (3)
    - MGT440 - Entrepreneurial Innovation and Creativity (3)
    - MGT445 - New Product Development (3)
    - MGT488 - Cooperative Education/Internship (1 - 3)
    - MGT490 - Entrepreneurial Consulting (3)
    - MKT369 - Retailing Management (3)
    - MKT475 - Digital Marketing (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196 msu.mgtmkt@murraystate.edu

Default Advisor

Dept Chair

Finance (Minor)

Program Name

Finance

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Economics and Finance

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ACC200 - Principles of Financial Accounting (3)
    - ACC201 - Principles of Managerial Accounting (3)
    - FIN330 - Principles of Finance (3)
    - FIN332 - Financial Management (3)
    - FIN333 - Principles of Investment (3)
  - Earned at least 3 credits from ECO or FIN
  - Completed at least 3 credits from the following types of courses:
    Business Electives

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Economics and Finance 307 Business Building (270) 809-4188 msu.ecofin@murraystate.edu

Default Advisor

Dept Chair

Finance (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business)

Program Name

Finance

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

520801

Program Level

Undergraduate

Department

Economics and Finance

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Program Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements
    - Complete all of the following
      - Completed the following:
        - ACC200 - Principles of Financial Accounting (3)
        - ACC201 - Principles of Managerial Accounting (3)
        - BUS215 - Business Communication (3)
        - BAC355 - Information Systems and Decision Making (3)
        - BAC442 - Business Ethics and Environments (3)
        - ECO310 - Issues in the Global Economy (3)
        - FIN330 - Principles of Finance (3)
        - LSC343 - Fundamentals of Operations and Technology (3)
        - LST240 - The Legal Environment of Business (3)
        - MGT350 - Fundamentals of Management (3)
        - MGT590 - Strategic Management (3)
        - MKT360 - Principles of Marketing (3)
      - Completed at least 1 courses from: Courses from -
        - CIS243 - Business Statistics I (2)
        - STA135 - Introduction to Probability and Statistics (4)

        Must earn minimum grade of C in all selected courses
      - Completed at least 1 of the following:
        - CIS343 - Business Statistics II (2)
        - STA265 - Methods of Statistics and Data Science (3)
  - Completed the following:
    - ECO305 - Money and Banking (3)
    - FIN100T - Transitions (1)
    - FIN332 - Financial Management (3)
    - FIN333 - Principles of Investment (3)
    - FIN334 - Banking and Financial Institutions (3)
    - FIN480 - Senior Seminar in Finance (3)
  - Required Limited Electives:
  - Completed at least 12 credits from the following types of courses:
    Twelve hours of 300-level or higher FIN electives approved by the advisor.
  - Completed at least 3 credits from the following types of courses:
    Business Electives (BSB only)

Grand Total Credits: **71 - 74**

Minimum Credential Hours

120

Program Contact Information

Department of Economics and Finance 307 Business Building (270) 809-4188 msu.ecofin@murraystate.edu

Default Advisor

L. Johnsonius

Finance (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Finance/Commercial Banking Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Finance (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Finance/Commercial Banking Track

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

520801

Specialization Level

Undergraduate

Department

Economics and Finance

College

Arthur J. Bauernfeind College of Business

Specialization Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Specialization Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements
    - Complete all of the following
      - Completed the following:
        - ACC200 - Principles of Financial Accounting (3)
        - ACC201 - Principles of Managerial Accounting (3)
        - BUS215 - Business Communication (3)
        - BAC355 - Information Systems and Decision Making (3)
        - BAC442 - Business Ethics and Environments (3)
        - ECO310 - Issues in the Global Economy (3)
        - FIN330 - Principles of Finance (3)
        - LSC343 - Fundamentals of Operations and Technology (3)
        - LST240 - The Legal Environment of Business (3)
        - MGT350 - Fundamentals of Management (3)
        - MGT590 - Strategic Management (3)
        - MKT360 - Principles of Marketing (3)
      - Completed at least 1 courses from: Courses from -
        - CIS243 - Business Statistics I (2)
        - STA135 - Introduction to Probability and Statistics (4)

        Must earn minimum grade of C in all selected courses
      - Completed at least 1 of the following:
        - CIS343 - Business Statistics II (2)
        - STA265 - Methods of Statistics and Data Science (3)
  - Completed the following:
    - ECO305 - Money and Banking (3)
    - FIN100T - Transitions (1)
    - FIN332 - Financial Management (3)
    - FIN420 - Behavioral Finance (3)
    - FIN334 - Banking and Financial Institutions (3)
    - FIN480 - Senior Seminar in Finance (3)
  - Required Specialty Courses:
  - Completed the following:
    - FIN344 - Principles of Lending and Financial Statements (3)
    - FIN350 - Introduction to Counter Threat Financing Methodologies (3)
    - FIN354 - Bank Compliance Issues (3)
    - FIN537 - Commercial Banking (3)
  - Completed at least 3 credits from the following types of courses:
    Three hours of 300-level or higher FIN electives approved by the advisor.

Grand Total Credits: **71 - 74**

Minimum Credential Hours

120

Specialization Contact Information

Department of Economics and Finance 307 Business Building (270) 809-4188 msu.ecofin@murraystate.edu

Default Advisor

L. Johnsonius

Finance (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Finance/Financial Planning Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Finance (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Finance/Financial Planning Track

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

520801

Specialization Level

Undergraduate

Department

Economics and Finance

College

Arthur J. Bauernfeind College of Business

Specialization Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Specialization Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements
    - Complete all of the following
      - Completed the following:
        - ACC200 - Principles of Financial Accounting (3)
        - ACC201 - Principles of Managerial Accounting (3)
        - BUS215 - Business Communication (3)
        - BAC355 - Information Systems and Decision Making (3)
        - BAC442 - Business Ethics and Environments (3)
        - ECO310 - Issues in the Global Economy (3)
        - FIN330 - Principles of Finance (3)
        - LSC343 - Fundamentals of Operations and Technology (3)
        - LST240 - The Legal Environment of Business (3)
        - MGT350 - Fundamentals of Management (3)
        - MGT590 - Strategic Management (3)
        - MKT360 - Principles of Marketing (3)
      - Completed at least 1 courses from: Courses from -
        - CIS243 - Business Statistics I (2)
        - STA135 - Introduction to Probability and Statistics (4)

        Must earn minimum grade of C in all selected courses
      - Completed at least 1 of the following:
        - CIS343 - Business Statistics II (2)
        - STA265 - Methods of Statistics and Data Science (3)
  - Completed the following:
    - ECO305 - Money and Banking (3)
    - FIN100T - Transitions (1)
    - FIN332 - Financial Management (3)
    - FIN333 - Principles of Investment (3)
    - FIN334 - Banking and Financial Institutions (3)
    - FIN480 - Senior Seminar in Finance (3)
  - Required Specialty Courses:
  - Completed the following:
    - ACC302 - Federal Income Tax (3)
    - FIN331 - Principles of Insurance (3)
    - FIN336 - Employee Benefits and Retirement (3)
    - FIN338 - Estate Planning (3)
  - Completed at least 3 credits from the following types of courses:
    Three hours of 300-level or higher FIN electives approved by the advisor.

Grand Total Credits: **71 - 74**

Minimum Credential Hours

120

Specialization Contact Information

Department of Economics and Finance 307 Business Building (270) 809-4188 msu.ecofin@murraystate.edu

Default Advisor

L Johnsonius

Game Development (Minor)

Program Name

Game Development

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Computer Science and Information Systems

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed at least 1 of the following:
    - CSC145 - Introduction to Programming (3)
    - CSC232 - Introduction to Programming in C# (3)
    - CSC233 - Programming in Python (3)
    - CSC235 - Programming in C++ (3)
  - Completed the following:
    - CSC275 - Introduction to Game Programming (3)
    - CSC515 - Computer Graphics Programming (3)
    - CSC575 - Computer Animation and Game Development (3)
  - Completed at least 3 of the following:
    - ART350 - Introduction to Graphic Design I: Digital Art (3)
    - ART354 - Illustration (3)
    - ART357 - Motion Graphics (3)
    - ART362 - Digital Sculpt: 3D Modeling and Printing (3)
    - CSC360 - Scripting Languages (3)
    - CSC370 - Introduction to Artificial Intelligence (3)
    - CSC425 - Mobile and Web Programming (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Computer Science and Information Systems 652 Business Building (270) 809-2094
msu.csis@murraystate.edu

Default Advisor

Dept Chair

Graphic Communications Media (BS: Bachelor of Science)

Program Name

Graphic Communications Media

Degree

BS: Bachelor of Science

CIP Code

100301

Program Level

Undergraduate

Department

Journalism and Mass Communications

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Major

Description

This program is designed to prepare individuals for employment at the supervisor and management levels in the printing and graphic communications industries.

Graduates of this program will be qualified to function as entry-level managers, production planners, quality control specialists, production control expeditors, estimators, sales representatives, or customer service representatives.

We expect our Graphic Communications Media students to learn how to:

1. Write clearly and accurately
2. Use media technology appropriate to the task
3. Understand data and statistics
4. Think creatively
5. Exhibit professional career-related behavior

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - CSC199 - Introduction to Information Technology (3)
    - STA135 - Introduction to Probability and Statistics (4)
  - Completed at least 1 of the following:
    - ECO140 - Contemporary Economics (3)
    - ECO230 - Macroeconomics (3)
    - ECO231 - Microeconomics (3)

Grand Total Credits: **10**

Program Requirements

- Complete all of the following
  - Completed the following:
    - JMC100T - Transitions (1)
    - GCM151 - Introduction to Graphic Communications (3)
    - GCM153 - Electronic Imaging (3)
    - GCM250 - Fundamentals of Photography and Photojournalism (3)
    - GCM252 - Digital Image Conversion (3)
    - GCM351 - Graphic Communication Processes (3)
    - GCM354 - Principles of Estimating (3)
    - GCM365 - Customer Experience in Graphic Arts (3)
    - GCM441 - Desktop Multimedia (3)
    - GCM442 - Digital Interactive Technology (3)
    - GCM454 - Color Management and Quality Control (3)
    - GCM558 - Trends in Graphic Communications (3)
    - JMC499 - Senior Seminar (1)
  - Required Limited Elective:
  - Completed at least 1 of the following:
    - ACC200 - Principles of Financial Accounting (3)
    - ART353 - Web Design (3)
    - JMC394 - Introduction to Advertising (3)
    - JMC596 - Internship (3)
    - MGT350 - Fundamentals of Management (3)
    - MKT360 - Principles of Marketing (3)
  - Co-Requirements:
  - Completed the following:
    - ART111 - Studio Practice (3)
    - ENG324 - Technical Writing (3)
  - Completed at least 21 credits from the following types of courses: Required Minor

Grand Total Credits: **65**

Minimum Credential Hours

120

Program Contact Information

Department of Journalism and Mass Communications 114 Wilson Hall (270) 809-2387 msu.jmc@murraystate.edu

Default Advisor

B. Norsworthy

Graphic Communications Technology (Minor)

Program Name

Graphic Communications Technology

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Journalism and Mass Communications

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Graphic Communications Media majors may not choose this minor.

Program Requirements

- Complete all of the following
  - Completed the following:
    - GCM151 - Introduction to Graphic Communications (3)
    - GCM153 - Electronic Imaging (3)
  - Earned at least 18 credits from the following:
    - GCM250 - Fundamentals of Photography and Photojournalism (3)
    - GCM252 - Digital Image Conversion (3)
    - GCM351 - Graphic Communication Processes (3)
    - GCM365 - Customer Experience in Graphic Arts (3)
    - GCM441 - Desktop Multimedia (3)
    - GCM442 - Digital Interactive Technology (3)
    - GCM454 - Color Management and Quality Control (3)

Grand Total Credits: **24**

Minimum Credential Hours

21

Program Contact Information

Department of Journalism and Mass Communications 114 Wilson Hall (270) 809-2387
msu.jmc@murraystate.edu

Default Advisor

Dept Chair

Health Communication (CERT: Certificate)

Program Name

Health Communication

Degree

CERT: Certificate

CIP Code

090905

Program Level

Graduate

Department

Organizational Communication and Leadership

College

Arthur J. Bauernfeind College of Business

Graduate Program Type

Graduate Certificate

Description

The Health Communication Certificate provides specialized knowledge of effective communication practices within healthcare settings. Courses and research are designed to encourage one's understanding of a variety of communication concepts that are valuable in healthcare-related organizations.

The Health Communication Certificate is administered by the Graduate Director of Organizational Communication, housed within the Department of Organizational Communication and Leadership in the College of Business.

Requirements for Admission

Students who hold an undergraduate degree or are currently enrolled in a graduate degree program may apply for the Health Communication Certificate program. Persons who already hold a graduate degree may also apply for the Certificate program.

Applicants must comply with Murray State University requirements (see *Graduate Admissions*). For unconditional admission, an undergraduate GPA of 3.0 or higher in the last two years of undergraduate work with at least a minor in communication, business, or related field. For conditional admission, an undergraduate GPA of at least 2.50 is required.

Program Requirements

- Complete all of the following
  - Completed the following:
    - COM636 - Health Communication (3)
  - Earned at least 3 credits from the following:
    - COM690 - Research Methods in Organizational Communication (3)
    - COM694 - Directed Individual Study in Organizational Communication (1 - 3)
  - Earned at least 6 credits from the following:
    - COM631 - Interpersonal Communication at Work (3)
    - COM633 - Communication Ethics (3)
    - COM639 - Seminar in Conflict Resolution (3)
    - COM640 - Seminar in Intercultural Communication (3)
    - COM682 - Seminar in Crisis Communication (3)
    - COM685 - Seminar in Organizatonal Communication (3)
    - HEA603 - Health Behavior (3)
    - HIA601 - Overview of the Healthcare Delivery System (3)

Grand Total Credits: **12**

Minimum Credential Hours

12

Default Advisor

F. Smith

Information Systems (MSIS: Master of Science in Information Systems)

Program Name

Information Systems

Degree

MSIS: Master of Science in Information Systems

CIP Code

110103

Program Level

Graduate

Department

Computer Science and Information Systems

College

Arthur J. Bauernfeind College of Business

Graduate Program Type

Graduate Degree

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Description

The Master of Science in Information Systems (MSIS) program prepares individuals for management careers in the vast and growing field of information systems. This field includes diverse areas as analytics, software development, information management, data analysis, information security, information systems architecture, system planning, data warehousing, and business intelligence to name a few.

The curriculum consists of seven core courses and three elective courses. This structure prepares the student for both depth and breadth in the information systems field. Students can choose either the Business Analytics concentration or the Information Security concentration. For those seeking the Business Analytics concentration, a foundation in business statistics is expected.

Upon successful completion, graduates can move into careers in business analytics, information security, software development, college-level teaching, project management, or consulting based on individual strengths, skills, and inclination.

Requirements for Admission

For admission, all applicants must have

- at least a 2.75 GPA using only the four-year institution GPA (or 2-year graduate degree),
- GMAT score of 490 or higher, or GRE score of 288 or higher,
- IELTS score of 6.0 or higher or TOEFL score of 71 or higher (for International students only), and
- GRE or GMAT score requirement may be waived if the applicant has 3 years of relevant work experience after completion of the undergraduate degree.

Students with any four-year undergraduate degree may apply for the program. Applicants must meet the Murray State University requirements (see *Graduate Admissions*). Completed application packets from domestic students must be received by December 1st for spring admission, and by June 1st for fall admission. Applications from international students must be received by October 16th for spring admission, and April 30th for fall admission. A complete application packet includes 1) official undergraduate transcript, and 2) official and valid GRE or GMAT score report (MSU Institution Code = 1494). Additionally, international students whose native language is not English must submit evidence of English proficiency; we accept TOEFL or IELTS scores as evidence.

Note: Some three-year degree programs from other countries are considered to be equivalent to a four-year bachelor's degree from the United States. Contact the International Admissions office for details.

Unconditional

An applicant may be granted unconditional admission in the program if he/she 1) has achieved a combined score of 288 or higher in the verbal and quantitative sections of the GRE's Revised General Test (or 980 or better in the verbal and quantitative sections of the old GRE or 490 or better in GMAT), 2) has a cumulative GPA of 3.00 or better in his/her undergraduate program, and 3) has no more than three failing grades in the undergraduate transcript. International student must also have met the University's English proficiency requirements for being fully admitted without conditions in Graduate Admissions.

Conditional

Domestic applicants (or international students who are already in the United States), who have not taken the GRE (or GMAT) may be granted conditional admission provided 1) the applicant has a cumulative GPA of 3.00 or higher in his/her undergraduate program and 2) no more than three failing grades in the undergraduate transcript. To convert to fully-admitted status, the student must submit an official GRE (or GMAT) score report before the end of their first semester in the graduate program. The test requirements are the same as in regular admission requirements.

For both regular admission and conditional admission, international students must also have met the University's English proficiency requirements.

Foundation Courses

Students who choose the Business Analytics concentration will be expected to have completed CIS 343 or its equivalent course with a minimum grade of *B* before scheduling the Business Analytics electives.

Graduation Requirements

In order to receive the degree, a candidate must earn a minimum grade point average of 3.00 in all graduate courses taken at Murray State University. Repeating a graduate course does not cancel a previous grade in the course. A candidate may not repeat a course in which a previous grade of *A* or *B* was earned for credit.

A minimum grade of *C* is required to receive credit for a graduate course. No more than one *C* will be accepted in fulfillment of the seven core courses. A candidate is awarded one "quality deficit point" for each grade of *C* received, two points for each *D*, and three points for each *E* (failing grade). Upon receipt of four "quality deficit points", a candidate is dropped from the program without opportunity for readmission except by special permission.

For additional information, please contact the program's director/graduate coordinator.

Program Requirements

- Complete all of the following
  - Completed the following:
    - CIS601 - Data Communication and Networking (3)
    - CIS603 - Project Management (3)
    - CIS609 - Data Management (3)
    - CIS645 - Decision Support and Expert Systems (3)
    - CIS648 - Enterprise Resource Planning (3)
    - CIS650 - Software Development (3)
  - Completed at least 1 of the following:
    - CIS688 - Graduate Internship in Information Systems (3)
    - CIS695 - Comprehensive Project In Computer Information Systems (1 - 3)
  - Earned at least this many additional elective credits: 9

Grand Total Credits: **28 - 30**

Minimum Credential Hours

30

Program Contact Information

Department of Computer Science and Information Systems 652 Business Building 270-809-2094 msu.csis@murraystate.edu

Default Advisor

S. Antony

Information Systems (MSIS: Master of Science in Information Systems) - Information Systems/Business Analytics Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Information Systems (MSIS: Master of Science in Information Systems) - Information Systems/Business Analytics Concentration

Degree

MSIS: Master of Science in Information Systems

CIP Code

110103

Specialization Level

Graduate

Department

Computer Science and Information Systems

College

Arthur J. Bauernfeind College of Business

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Description

Requirements for Admission for Domestic and International Students: Applicants must meet Murray State University requirements (see Graduate Admissions). Additional requirements for admission are as follows: a. at least a 2.75 GPA using only the four-year institution GPA (or 2-year graduate degree), b. no more than 3 Fail grades in the undergraduate transcript, c. GMAT score of 490 or higher, or GRE score of 288 or higher and d. IELTS score of 6.0 or higher or TOEFL score of 71 or higher (for International students only) An applicant with 3 years of relevant work experience in the USA may request that GRE or GMAT score be waived. Please contact the Program Director for details. There will be no conditional admissions. Other Degree Requirements In order to receive the degree, a candidate must earn a minimum grade point average of 3.00 in all program-related graduate courses taken at Murray State University. Repeating a graduate course does not cancel a previous grade in the course. A minimum grade of C is required to receive credit for a graduate course. No more than one C will be accepted in fulfillment of the seven core courses. For additional information, please contact the program’s director/graduate coordinator. A minimum grade of C is required to receive credit for a graduate course. Also, a candidate is awarded one “quality deficit point” for each grade of C received, two points for each D, and three points for each E. Upon receipt of four quality deficit points, a candidate is dropped from the program without the opportunity for readmission except by special permission. Students with any four-year undergraduate degree may apply for the program. Applicants must meet the Murray State University requirements (see Graduate Admissions). Completed application packets from domestic students must be received by December 1st for spring admission, and by June 1st for fall admission. Applications from international students must be received by October 16th for spring admission, and April 30th for fall admission. A complete application packet includes 1) official undergraduate transcript, and 2) official and valid GRE or GMAT score report (MSU Institution Code = 1494). Additionally, international students whose native language is not English must submit evidence of English proficiency; we accept TOEFL or IELTS scores as evidence. Note: Some three-year degree programs from other countries are considered to be equivalent to a four-year bachelor’s degree from the United States. Contact the International Admissions office for details.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - CIS601 - Data Communication and Networking (3)
    - CIS603 - Project Management (3)
    - CIS609 - Data Management (3)
    - CIS645 - Decision Support and Expert Systems (3)
    - CIS648 - Enterprise Resource Planning (3)
    - CIS650 - Software Development (3)
    - CIS607 - A Manager's Guide to Database (3)
    - CIS643 - Advanced Business Analytics (3)
    - CIS663 - Developing Analytics Applications (3)
  - Completed at least 1 of the following:
    - CIS688 - Graduate Internship in Information Systems (3)
    - CIS695 - Comprehensive Project In Computer Information Systems (1 - 3)

Grand Total Credits: **28 - 30**

Minimum Credential Hours

30

Specialization Contact Information

Department of Computer Science and Information Systems 652 Business Building (270) 809-2094 msu.csis@murraystate.edu

Default Advisor

S. Antony

Information Systems (MSIS: Master of Science in Information Systems) - Information Systems/Information Security

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Information Systems (MSIS: Master of Science in Information Systems) - Information Systems/Information Security

Degree

MSIS: Master of Science in Information Systems

CIP Code

110103

Specialization Level

Graduate

Department

Computer Science and Information Systems

College

Arthur J. Bauernfeind College of Business

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - CIS601 - Data Communication and Networking (3)
    - CIS603 - Project Management (3)
    - CIS609 - Data Management (3)
    - CIS645 - Decision Support and Expert Systems (3)
    - CIS648 - Enterprise Resource Planning (3)
    - CIS650 - Software Development (3)
    - CYS615 - Information System Security (3)
  - Completed at least 1 of the following:
    - CIS688 - Graduate Internship in Information Systems (3)
    - CIS695 - Comprehensive Project In Computer Information Systems (1 - 3)
  - Completed at least 2 of the following:
    - CYS625 - Information Security Risk Management (3)
    - CYS630 - Telecommunications Legal Environment: Law, Policy, and Regulation (3)
    - CYS640 - Incident Management and Business Continuity (3)
    - CYS645 - Infomation Security Program Management (3)

Grand Total Credits: **28 - 30**

Minimum Credential Hours

30

Specialization Contact Information

Department of Computer Science and Information Systems 652 Business Building (270) 809-2094 msu.csis@murraystate.edu

Default Advisor

S. Antony

International Economics (Minor)

Program Name

International Economics

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Economics and Finance

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ECO230 - Macroeconomics (3)
    - ECO231 - Microeconomics (3)
    - ECO315 - Comparative Economic Systems (3)
    - ECO410 - Economic Development (3)
    - ECO460 - International Trade and Finance (3)
  - Completed at least 6 credits from the following types of courses:
    Six hours of closely related upper-level electives, with a significant international dimension, as approved by the advisor.

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Economics and Finance 307 Business Building (270) 809-4188 msu.ecofin@murraystate.edu

Default Advisor

Dept Chair

Journalism (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Journalism

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

090401

Program Level

Undergraduate

Department

Journalism and Mass Communications

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Major

Accreditations

Accrediting Council on Education in Journalism and Mass Communications (ACEJMC)

Graduation Requirements

ACEJMC requires that students earn at least 72 hours of credit (of the 120 required for graduation) outside of the Department of Journalism and Mass Communications.

Program Requirements

- Complete all of the following
  - Completed the following:
    - JMC100T - Transitions (1)
    - JMC168 - Contemporary Mass Media (3)
    - JMC194 - Newswriting (3)
    - JMC270 - Media Production (3)
    - JMC304 - Multimedia Writing (3)
    - JMC305 - News Editing (3)
    - JMC330 - Mass Media Effects (3)
    - JMC397 - In-depth Reporting (3)
    - JMC398 - Advanced Multimedia Reporting (3)
    - JMC499 - Senior Seminar (1)
    - JMC590 - Mass Communication Law (3)
    - JMC597 - Collaborative Journalism Capstone (3)
  - Required Limited Electives:
  - Completed at least 1 of the following:
    - GCM250 - Fundamentals of Photography and Photojournalism (3)
    - JMC322 - Mass Media Study Abroad (3)
    - JMC336 - Writing for Media Production (3)
    - JMC384 - Sports Media (3)
    - JMC385 - Directed Individual Study (1 - 3)
    - JMC386 - Special Topics (3 - 6)
    - JMC396 - Publication Design (3)
    - JMC400 - International Mass Communications (3)
    - JMC445 - Community Journalism (3)
    - JMC466 - Advanced Electronic News Reporting and Production (3)
    - JMC492 - Feature Writing (3)
    - JMC593 - Opinion Writing (3)
    - JMC596 - Internship (3)
  - Co-Requirements:
  - Completed at least 1 of the following:
    - CSC125 - Internet and Web Page Design (3)
    - CSC199 - Introduction to Information Technology (3)
  - Completed the following:
    - GCM152 - Introduction to Digital Imaging (3)
  - Completed at least 21 credits from the following types of courses: Required Minor

Grand Total Credits: **60 - 65**

Minimum Credential Hours

120

Program Contact Information

Department of Journalism and Mass Communications 114 Wilson Hall (270) 809-2387 msu.jmc@murraystate.edu

Default Advisor

A. White

Journalism (Minor)

Program Name

Journalism

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Journalism and Mass Communications

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Advertising, Public Relations, and Television Production majors may substitute GCM 250 for JMC 270 and any upper-level JMC course for JMC 590. Public Relations majors may substitute JMC 336 for JMC 194.

Program Requirements

- Complete all of the following
  - Completed the following:
    - JMC194 - Newswriting (3)
    - JMC270 - Media Production (3)
    - JMC304 - Multimedia Writing (3)
    - JMC305 - News Editing (3)
    - JMC397 - In-depth Reporting (3)
    - JMC398 - Advanced Multimedia Reporting (3)
    - JMC590 - Mass Communication Law (3)
    - JMC597 - Collaborative Journalism Capstone (3)
  - Co-Requirements:
  - Completed the following:
    - CSC125 - Internet and Web Page Design (3)
    - GCM152 - Introduction to Digital Imaging (3)

Grand Total Credits: **30**

Minimum Credential Hours

21

Program Contact Information

Department of Journalism and Mass Communications 114 Wilson Hall (270) 809-2387
msu.jmc@murraystate.edu

Default Advisor

Dept Chair

Logistics and Supply Chain Management (Minor)

Program Name

Logistics and Supply Chain Management

Degree

Minor

Program Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ACC200 - Principles of Financial Accounting (3)
    - MGT350 - Fundamentals of Management (3)
    - LSC343 - Fundamentals of Operations and Technology (3)
  - Completed at least 12 credits from the following types of courses:
    Approved logistics and supply chain management electives, at least three hours of which must be upper-level

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196 msu.mgtmkt@murraystate.edu

Default Advisor

Dept Chair

Logistics and Supply Chain Management (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business)

Program Name

Logistics and Supply Chain Management

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

520203

Program Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Description

The Logistics and Supply Chain Management program prepares individuals to manage and coordinate all logistical functions in an enterprise, ranging from acquisitions to receiving and handling, through internal allocation of resources to operations units, to the handling and delivery of output. It includes instruction in acquisitions and purchasing, inventory control, storage and handling, just-in-time manufacturing, logistics planning, shipping and delivery management, transportation, quality control, resource estimation and allocation, and budgeting.

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Graduation Requirements

A maximum of three hours of cooperative education credit may count toward the degree.

Program Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements (Logistics and Supply Chain Management)
    - Complete all of the following
      - Completed the following:
        - ACC200 - Principles of Financial Accounting (3)
        - ACC201 - Principles of Managerial Accounting (3)
        - BUS215 - Business Communication (3)
        - BAC355 - Information Systems and Decision Making (3)
        - BAC442 - Business Ethics and Environments (3)
        - ECO310 - Issues in the Global Economy (3)
        - FIN330 - Principles of Finance (3)
        - LST240 - The Legal Environment of Business (3)
        - MGT350 - Fundamentals of Management (3)
        - MGT590 - Strategic Management (3)
        - MKT360 - Principles of Marketing (3)
      - Earned a minimum grade of C in each of the following:
        - LSC343 - Fundamentals of Operations and Technology (3)
      - Completed at least 1 courses from: Courses from -
        - CIS243 - Business Statistics I (2)
        - STA135 - Introduction to Probability and Statistics (4)

        Must earn minimum grade of C in all selected courses
      - Completed at least 1 of the following:
        - CIS343 - Business Statistics II (2)
        - STA265 - Methods of Statistics and Data Science (3)
  - Completed the following:
    - LSC100T - Transitions (1)
  - Note: Students must maintain a cumulative GPA of 2.50 or higher in the following courses:
  - Completed the following:
    - LSC452 - Process Management (3)
    - LSC461 - Principles of Purchasing and Supply Management (3)
    - LSC470 - Introduction to Quantitative Decision Making (3)
    - LSC475 - International Transportation and Logistics Management (3)
    - LSC480 - Supply Chain Management Strategy (3)
    - MGT550 - Human Resource Management (3)
    - MGT551 - Organizational Behavior (3)
  - Required Limited Electives: BAB: 3 hours required BSB: 6 hours required
  - Earned at least 3 credits from the following:
    - CIS543 - Advanced Business Analytics (3)
    - CIS548 - Enterprise Resource Planning (3)
    - IOE587 - Quality Control (3)
    - IOE591 - Materials Management (3)
    - LSC489 - Cooperative Education/Internship (1 - 3)
    - MGT445 - New Product Development (3)
    - MGT557 - International Management (3)
    - MGT575 - Labor-Management Relations (3)
    - BUS485 - Geospatial Tools in Business (3)
    - MKT564 - Marketing Channels (3)
  - Business Electives: BAB: No electives required BSB: 3 credits required

Grand Total Credits: **65 - 68**

Minimum Credential Hours

120

Program Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196
msu.mgtmkt@murraystate.edu

Default Advisor

L. Johnsonius

Logistics and Supply Chain Management (CERT: Certificate)

Program Name

Logistics and Supply Chain Management

Degree

CERT: Certificate

CIP Code

520203

Program Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Certificate

Description

The certificate in Logistics and Supply Chain Management is designed to provide a conceptual background and an introduction to analytical methods for making sound operational and strategic business decisions. The courses included in the certificate program place an emphasis on balancing the development and mastery of concepts with application through projects, simulations, and case studies.

Requirements for Admission

To become eligible for certification, students must:

- maintain a minimum GPA of 2.5 in the core requirement courses, and
- complete the core requirement courses with a minimum grade of *C*.

Note: Students may transfer up to six credit hours of equivalent undergraduate courses into the program.

Program Requirements

- Completed the following:
  - LSC343 - Fundamentals of Operations and Technology (3)
  - LSC452 - Process Management (3)
  - LSC461 - Principles of Purchasing and Supply Management (3)
  - LSC470 - Introduction to Quantitative Decision Making (3)
  - LSC475 - International Transportation and Logistics Management (3)

Grand Total Credits: **15**

Minimum Credential Hours

15

Program Contact Information

Department of Management, Marketing and Business Administration 451 Business Building 270-809-6196 msu.mgtmkt@murraystate.edu

Default Advisor

Dept Chair

Management (Minor)

Program Name

Management

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ACC200 - Principles of Financial Accounting (3)
    - ACC201 - Principles of Managerial Accounting (3)
    - MGT350 - Fundamentals of Management (3)
  - Completed at least 12 credits from the following types of courses:
    Approved management electives, at least three hours of which must be upper-level

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196 msu.mgtmkt@murraystate.edu

Default Advisor

Dept Chair

Management (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business)

Program Name

Management

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

520201

Program Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Graduation Requirements

A maximum of three hours of cooperative education credit may count toward the degree.

Program Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements
    - Complete all of the following
      - Completed the following:
        - ACC200 - Principles of Financial Accounting (3)
        - ACC201 - Principles of Managerial Accounting (3)
        - BUS215 - Business Communication (3)
        - BAC355 - Information Systems and Decision Making (3)
        - BAC442 - Business Ethics and Environments (3)
        - ECO310 - Issues in the Global Economy (3)
        - FIN330 - Principles of Finance (3)
        - LSC343 - Fundamentals of Operations and Technology (3)
        - LST240 - The Legal Environment of Business (3)
        - MGT350 - Fundamentals of Management (3)
        - MGT590 - Strategic Management (3)
        - MKT360 - Principles of Marketing (3)
      - Completed at least 1 courses from: Courses from -
        - CIS243 - Business Statistics I (2)
        - STA135 - Introduction to Probability and Statistics (4)

        Must earn minimum grade of C in all selected courses
      - Completed at least 1 of the following:
        - CIS343 - Business Statistics II (2)
        - STA265 - Methods of Statistics and Data Science (3)
  - Completed the following:
    - LSC452 - Process Management (3)
    - MGT100T - Transitions (1)
    - MGT550 - Human Resource Management (3)
    - MGT551 - Organizational Behavior (3)
    - MGT557 - International Management (3)
  - Earned at least 9 credits from MGT
  - Business Electives: BAB: 3 hours required BSB: 9 hours required
  - Completed at least 3 credits from the following types of courses:
    Business Electives

Grand Total Credits: **65 - 68**

Minimum Credential Hours

120

Program Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196 msu.mgtmkt@murraystate.edu

Default Advisor

L. Johnsonius

Management (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Management/Entrepreneurship Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Management (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Management/Entrepreneurship Track

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

520201

Specialization Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Specialization Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Graduation Requirements

A maximum of three hours of cooperative education credit counts toward the degree.

Specialization Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements
    - Complete all of the following
      - Completed the following:
        - ACC200 - Principles of Financial Accounting (3)
        - ACC201 - Principles of Managerial Accounting (3)
        - BUS215 - Business Communication (3)
        - BAC355 - Information Systems and Decision Making (3)
        - BAC442 - Business Ethics and Environments (3)
        - ECO310 - Issues in the Global Economy (3)
        - FIN330 - Principles of Finance (3)
        - LSC343 - Fundamentals of Operations and Technology (3)
        - LST240 - The Legal Environment of Business (3)
        - MGT350 - Fundamentals of Management (3)
        - MGT590 - Strategic Management (3)
        - MKT360 - Principles of Marketing (3)
      - Completed at least 1 courses from: Courses from -
        - CIS243 - Business Statistics I (2)
        - STA135 - Introduction to Probability and Statistics (4)

        Must earn minimum grade of C in all selected courses
      - Completed at least 1 of the following:
        - CIS343 - Business Statistics II (2)
        - STA265 - Methods of Statistics and Data Science (3)
  - Completed the following:
    - LSC452 - Process Management (3)
    - MGT100T - Transitions (1)
    - MGT550 - Human Resource Management (3)
    - MGT551 - Organizational Behavior (3)
    - MGT557 - International Management (3)
  - Entrepreneurship Track:
  - Earned at least 12 credits from the following:
    - ECO521 - Seminar in Economic Thought: Rand's Objectivism (3)
    - MGT358 - Entrepreneurial Business Plan Development (3)
    - MGT420 - Entrepreneurial Strategic Growth (3)
    - MGT440 - Entrepreneurial Innovation and Creativity (3)
    - MGT445 - New Product Development (3)
    - MGT488 - Cooperative Education/Internship (1 - 3)
    - MGT490 - Entrepreneurial Consulting (3)
    - MGT595 - Special Problems (3)
    - MKT390 - Entrepreneurial Marketing (3)
  - Business Electives: BAB: No electives required BSB: 6 hours required

Grand Total Credits: **65 - 68**

Minimum Credential Hours

120

Specialization Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196
msu.mgtmkt@murraystate.edu

Default Advisor

L. Johnsonius

Management (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in

Business) - Management/Hospitality and Tourism Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Management (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Management/Hospitality and Tourism Track

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

520201

Specialization Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Specialization Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Graduation Requirements

A maximum of three hours of cooperative education credit may count toward the degree.

Specialization Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements
    - Complete all of the following
      - Completed the following:
        - ACC200 - Principles of Financial Accounting (3)
        - ACC201 - Principles of Managerial Accounting (3)
        - BUS215 - Business Communication (3)
        - BAC355 - Information Systems and Decision Making (3)
        - BAC442 - Business Ethics and Environments (3)
        - ECO310 - Issues in the Global Economy (3)
        - FIN330 - Principles of Finance (3)
        - LSC343 - Fundamentals of Operations and Technology (3)
        - LST240 - The Legal Environment of Business (3)
        - MGT350 - Fundamentals of Management (3)
        - MGT590 - Strategic Management (3)
        - MKT360 - Principles of Marketing (3)
      - Completed at least 1 courses from: Courses from -
        - CIS243 - Business Statistics I (2)
        - STA135 - Introduction to Probability and Statistics (4)

        Must earn minimum grade of C in all selected courses
      - Completed at least 1 of the following:
        - CIS343 - Business Statistics II (2)
        - STA265 - Methods of Statistics and Data Science (3)
  - Completed the following:
    - LSC452 - Process Management (3)
    - MGT100T - Transitions (1)
    - MGT550 - Human Resource Management (3)
    - MGT551 - Organizational Behavior (3)
    - MGT557 - International Management (3)
  - Hospitality and Tourism Track:
  - Completed the following:
    - MGT364 - Intro to Hospitality & Tourism (3)
    - MGT410 - Lodging Operations (3)
  - Earned at least 6 credits from the following:
    - JMC391 - Public Relations Principles (3)
    - MGT358 - Entrepreneurial Business Plan Development (3)
    - MGT488 - Cooperative Education/Internship (1 - 3)
    - MGT489 - Cooperative Education/Internship (1 - 3)
    - MGT595 - Special Problems (3)
    - MKT361 - Selling and Sales Management (3)
    - MKT362 - Food and Beverage Marketing (3)
    - MKT475 - Digital Marketing (3)
  - Business Electives: BAB: No electives required BSB: 6 hours required

Grand Total Credits: **65 - 68**

Minimum Credential Hours

120

Specialization Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196
msu.mgtmkt@murraystate.edu

Default Advisor

L. Johnsonius

Management (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Management/Human Resources Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Management (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Management/Human Resources Track

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

520201

Specialization Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Specialization Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Graduation Requirements

A maximum of three hours of cooperative education credit counts toward the degree.

Specialization Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements
    - Complete all of the following
      - Completed the following:
        - ACC200 - Principles of Financial Accounting (3)
        - ACC201 - Principles of Managerial Accounting (3)
        - BUS215 - Business Communication (3)
        - BAC355 - Information Systems and Decision Making (3)
        - BAC442 - Business Ethics and Environments (3)
        - ECO310 - Issues in the Global Economy (3)
        - FIN330 - Principles of Finance (3)
        - LSC343 - Fundamentals of Operations and Technology (3)
        - LST240 - The Legal Environment of Business (3)
        - MGT350 - Fundamentals of Management (3)
        - MGT590 - Strategic Management (3)
        - MKT360 - Principles of Marketing (3)
      - Completed at least 1 courses from: Courses from -
        - CIS243 - Business Statistics I (2)
        - STA135 - Introduction to Probability and Statistics (4)

        Must earn minimum grade of C in all selected courses
      - Completed at least 1 of the following:
        - CIS343 - Business Statistics II (2)
        - STA265 - Methods of Statistics and Data Science (3)
  - Completed the following:
    - MGT100T - Transitions (1)
    - MGT550 - Human Resource Management (3)
    - MGT551 - Organizational Behavior (3)
    - MGT557 - International Management (3)
    - MGT558 - Advanced Topics in Human Resources (3)
  - Human Resources Track:
  - Completed the following:
    - MGT553 - Human Resource Selection (3)
    - MGT559 - Compensation Management (3)
  - Completed at least 2 of the following:
    - MGT488 - Cooperative Education/Internship (1 - 3)
    - MGT489 - Cooperative Education/Internship (1 - 3)
    - MGT555 - Training and Development (3)
    - MGT572 - Organizational Development (3)
    - MGT575 - Labor-Management Relations (3)
    - MGT577 - Labor Law and Public Policy (3)
    - OSH192 - Introduction to Occupational Safety and Health (3)
    - OSH550 - Safety and Health Program Management and Training (3)
  - Business Electives: BAB: No electives required BSB: 6 hours required

Grand Total Credits: **61 - 68**

Minimum Credential Hours

120

Specialization Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196
msu.mgtmkt@murraystate.edu

Default Advisor

L. Johnsonius

Marketing (Minor)

Program Name

Marketing

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ACC200 - Principles of Financial Accounting (3)
    - ECO231 - Microeconomics (3)
    - MKT360 - Principles of Marketing (3)
  - Completed at least 12 credits from the following types of courses:
    Approved marketing electives, at least three hours of which must be upper-level.

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196
msu.mgtmkt@murraystate.edu

Default Advisor

Dept Chair

Marketing (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business)

Program Name

Marketing

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

521401

Program Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Graduation Requirements

A maximum of three hours of cooperative education credit may count toward the degree.

Program Requirements

- Complete all of the following
  - Completed all courses from the following:
    Business Core Requirements
    - ACC200 - Principles of Financial Accounting (3)
    - ACC201 - Principles of Managerial Accounting (3)
    - BUS215 - Business Communication (3)
    - ACC308 - Accounting Information Systems (3)
    - BAC442 - Business Ethics and Environments (3)
    - CIS243 - Business Statistics I (2)
    - CIS343 - Business Statistics II (2)
    - ECO310 - Issues in the Global Economy (3)
    - FIN330 - Principles of Finance (3)
    - LSC343 - Fundamentals of Operations and Technology (3)
    - LST240 - The Legal Environment of Business (3)
    - MGT350 - Fundamentals of Management (3)
    - MGT590 - Strategic Management (3)
    - MKT360 - Principles of Marketing (3)
  - Completed the following:
    - MKT100T - Transitions (1)
    - MKT460 - Integrated Marketing Communications (3)
    - MKT463 - Consumer Behavior (3)
    - MKT565 - Marketing Research (3)
    - MKT568 - Global Marketing Management (3)
  - Earned at least 9 credits from: Courses from -
    - MKT285 - Emerging Technologies in Marketing (3)
    - MKT361 - Selling and Sales Management (3)
    - MKT369 - Retailing Management (3)
    - MKT390 - Entrepreneurial Marketing (3)
    - MKT462 - Sales Management (3)
    - MKT475 - Digital Marketing (3)
    - MKT488 - Cooperative Education/Internship (1 - 3)
    - MKT489 - Cooperative Education/Internship (1 - 3)
    - MKT564 - Marketing Channels (3)
    - MKT578 - Social Media and Marketing (3)
    - MKT585 - Location Analytics Marketing (3)
    - MKT595 - Special Problems (1 - 3)

    Minimum of 6 credits from courses numbered 300 to 599
  - Business Electives: BAB: 3 hours required BSB: 9 hours required
  - Earned at least 3 credits from the following course sets:
    Business Electives

Grand Total Credits: **65**

Minimum Credential Hours

120

Program Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196
msu.mgtmkt@murraystate.edu

Default Advisor

L. Johnsonius

Marketing (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Marketing/Entrepreneurship Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Marketing (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Marketing/Entrepreneurship Track

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

521401

Specialization Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Specialization Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Admission Requirements

- Completed the Following:
  Admission to Business Programs
  - Complete all of the following
    - Earned a minimum cumulative GPA of 2.00
    - Applicant must have completed the following pre-admission courses with a combined GPA of 2.25.
    - Completed the following:
      - ACC200 - Principles of Financial Accounting (3)
      - ACC201 - Principles of Managerial Accounting (3)
      - BUS215 - Business Communication (3)
      - COM161 - Introduction to Public Speaking (3)
      - CSC199 - Introduction to Information Technology (3)
      - ECO230 - Macroeconomics (3)
      - ECO231 - Microeconomics (3)
      - HUM211 - The Humanities Tradition (3)
      - LST240 - The Legal Environment of Business (3)
    - Earned a minimum grade of C in each of the following:
      - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - CIS243 - Business Statistics I (2)
      - Earned a minimum grade of C in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
    - Complete 1 of the following
      - Completed the following:
        - CIV201 - World Civilizations I (3)
      - Completed the following:
        - CIV202 - World Civilizations II (3)
    - Complete 1 of the following
      - Completed the following:
        - MAT220 - Business Calculus (3)
      - Completed the following:
        - MAT250 - Calculus and Analytic Geometry I (5)
    - CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees. COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees. The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the course must average a grade of C to meet the minimum grade for this course requirement. Honors sequence courses will meet the business admission standards as follows: ENG 150 (with a minimum grade of C) for ENG 105 HON 165 for COM 161 HON 201 or 202 for CIV 201 or 202 HON 232 for ECO 230 and ECO 231 HON 251 for HUM 211

Grand Total Credits: **39 - 43**

Specialization Requirements

- Complete all of the following
  - Completed the Following:
    Business Core Requirements
    - Complete all of the following
      - Completed the following:
        - ACC200 - Principles of Financial Accounting (3)
        - ACC201 - Principles of Managerial Accounting (3)
        - BUS215 - Business Communication (3)
        - BAC355 - Information Systems and Decision Making (3)
        - BAC442 - Business Ethics and Environments (3)
        - ECO310 - Issues in the Global Economy (3)
        - FIN330 - Principles of Finance (3)
        - LSC343 - Fundamentals of Operations and Technology (3)
        - LST240 - The Legal Environment of Business (3)
        - MGT350 - Fundamentals of Management (3)
        - MGT590 - Strategic Management (3)
        - MKT360 - Principles of Marketing (3)
      - Completed at least 1 courses from: Courses from -
        - CIS243 - Business Statistics I (2)
        - STA135 - Introduction to Probability and Statistics (4)

        Must earn minimum grade of C in all selected courses
      - Completed at least 1 of the following:
        - CIS343 - Business Statistics II (2)
        - STA265 - Methods of Statistics and Data Science (3)
  - Completed the following:
    - MKT100T - Transitions (1)
    - MKT460 - Integrated Marketing Communications (3)
    - MKT463 - Consumer Behavior (3)
    - MKT565 - Marketing Research (3)
    - MKT568 - Global Marketing Management (3)
  - Entrepreneurship Track:
  - Earned at least 12 credits from the following:
    - ECO521 - Seminar in Economic Thought: Rand's Objectivism (3)
    - MGT358 - Entrepreneurial Business Plan Development (3)
    - MGT420 - Entrepreneurial Strategic Growth (3)
    - MGT440 - Entrepreneurial Innovation and Creativity (3)
    - MGT445 - New Product Development (3)
    - MGT490 - Entrepreneurial Consulting (3)
    - MKT390 - Entrepreneurial Marketing (3)
    - MKT488 - Cooperative Education/Internship (1 - 3)
    - MKT489 - Cooperative Education/Internship (1 - 3)
    - MKT595 - Special Problems (1 - 3)
  - Business Electives: BAB: No electives required BSB: 6 hours required

Grand Total Credits: **65 - 68**

Minimum Credential Hours

120

Specialization Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196
msu.mgtmkt@murraystate.edu

Default Advisor

L. Johnsonius

Marketing (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business)

Marketing (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Marketing/Hospitality and Tourism Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Marketing (BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business) - Marketing/Hospitality and Tourism Track

Degree

BAB/BSB: Bachelor of Arts in Business or Bachelor of Science in Business

CIP Code

521401

Specialization Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Specialization Type

Area

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Graduation Requirements

The courses, listed as Entrance Standards for Business Programs, are required for this area if not taken in University Studies or the Business Core.

A maximum of three hours of cooperative education credit may count toward the degree.

Specialization Requirements

- Complete all of the following
  - Completed the Following:
  - Completed the following:
    - MKT100T - Transitions (1)
    - MKT460 - Integrated Marketing Communications (3)
    - MKT565 - Marketing Research (3)
    - MKT568 - Global Marketing Management (3)
  - Hospitality and Tourism Track:
  - Completed the following:
    - MKT362 - Food and Beverage Marketing (3)
    - MKT364 - Introduction to Hospitality and Tourism (3)
  - Earned at least 6 credits from the following:
    - JMC391 - Public Relations Principles (3)
    - MGT358 - Entrepreneurial Business Plan Development (3)
    - MGT550 - Human Resource Management (3)
    - MKT361 - Selling and Sales Management (3)
    - MKT410 - Lodging Operations (3)
    - MKT475 - Digital Marketing (3)
    - MKT488 - Cooperative Education/Internship (1 - 3)
    - MKT489 - Cooperative Education/Internship (1 - 3)
    - MKT595 - Special Problems (1 - 3)
  - Business Electives: BAB: No electives required BSB: 6 hours required
  - Earned at least 0 credits from the following course sets:
    Business Electives

Grand Total Credits: **22**

Minimum Credential Hours

120

Specialization Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196 msu.mgtmkt@murraystate.edu

Default Advisor

L. Johnsonius

Mass Communications (MA/MS: Master of Arts or Master of Science)

Program Name

Mass Communications

Degree

MA/MS: Master of Arts or Master of Science

CIP Code

090102

Program Level

Graduate

Department

Journalism and Mass Communications

College

Arthur J. Bauernfeind College of Business

Graduate Program Type

Graduate Degree

Description

The objective of the Master of Arts and the Master of Science in Mass Communications are 1) to prepare graduate students for positions in mass communications and research; 2) to provide a foundation for study at the doctoral level; and 3) to prepare graduate students for teaching mass communications at the college level.

Requirements for Admission

Applicants must meet the Murray State University requirements (see Graduate Admissions). Additional requirements follow.

Unconditional

Unconditional admission is granted to applicants who have a bachelor's degree from an ACEJMC-accredited, or similarly rigorous, program in any mass communications field and whose undergraduate GPA is 2.75 or higher. International students must also submit minimum TOEFL scores of 213 on the computer-based test, with at least 21 on each of the three verbal areas, or 20 in each of the four areas of the internet-based test, or 550 on the paper-based test. Students must submit IELTS scores of a minimum of 5.5 or higher in each of the four bands and the total band.

Conditional

Conditional admission may be granted to applicants who have a bachelor's degree from an accredited college or university in fields other than mass communications or whose undergraduate GPA is between 2.50 and 2.75. The graduate coordinator may require up to nine hours of additional prerequisite courses, including JMC 168, for any student admitted conditionally. Conditional students are admitted to full standing after completion of nine hours of graduate courses with a 3.0 GPA or better and no single grade below a *B*.

International students entering the JMC program from the Murray State University English as Second Language program must complete Level 6. AND students must submit TOEFL scores of at least 497 paper-based or 213 computer-based test, including at least 21 on each of the three verbal areas, or 18 in each of the four areas of the internet-based test in addition to the above requirements. Students entering the mass communications program from the Academic English for Non-Native Speakers (AEP) must submit a TOEFL score of at least 523.

Graduation Requirements

The semester before enrolling in JMC 690, the student must meet with the graduate coordinator, present a proposal for the project, and gain approval for the proposal.

For the Master of Arts degree only, the candidate must demonstrate competency in an approved foreign language.

Program Requirements

- Complete all of the following
  - Complete 1 of the following
    - Completed the following:
      - JMC600 - Seminar in International Mass Communication (3)
    - Completed the following:
      - JMC615 - History of Media and Mass Communication (3)
      - JMC630 - Theories of Mass Communications (3)
  - Completed the following:
    - JMC610 - Introduction to Graduate Studies in Mass Communications (1)
    - JMC648 - Mass Media Industries (3)
    - JMC660 - Methods of Communications Research (3)
    - CRJ300 - Crime and Criminals (3)
    - JMC690 - Comprehensive Project (3)
  - Completed at least 4 of the following:
    - JMC600 - Seminar in International Mass Communication (3)
    - JMC601 - Media, Culture, Gender, and Race (3)
    - JMC602 - Seminar in Advertising (3)
    - JMC603 - Seminar in Public Relations (3)
    - JMC615 - History of Media and Mass Communication (3)
    - JMC616 - Professional Internship in Mass Communications (3)
    - JMC620 - Strategic Communications (3)
    - JMC622 - JMC Study Abroad (3)
    - JMC658 - New Technologies (3)
    - JMC677 - Directed Individual Study (3)
    - JMC685 - Specialized Mass Communications (1 - 3)
    - JMC686 - Special Topics (3 - 6)
  - Completed at least 3 credits from the following types of courses:
    600-level elective, approved by graduate coordinator

Grand Total Credits: **29 - 37**

Minimum Credential Hours

30

Program Contact Information

Department of Journalism and Mass Communications 114 Wilson Hall (270) 809-2387
msu.jmc@murraystate.edu

Default Advisor

B. Ezumah

Mass Communications (MA/MS: Master of Arts or Master of Science) - Mass Communications/Public Relations Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Mass Communications (MA/MS: Master of Arts or Master of Science) - Mass Communications/Public Relations Concentration

Degree

MS: Master of Science

CIP Code

090102

Specialization Level

Graduate

Department

Journalism and Mass Communications

College

Arthur J. Bauernfeind College of Business

Description

Admission Requirements Submit the graduation application and $40 application fee. Master's degree or doctoral-level degree from an accredited institution or Bachelor's degree from an accredited institution or bachelor's degree from an accredited institution with a 2.75 GPA or 2.5 GPA and a minimum total GRE score of 288 with a minimum verbal score of 145. For domestic applicants with below a 2.5 GPA who have the necessary exam score described above, and whose case includes exceptional circumstances, a candidate review by the admissions committee may occur on a case-by-case basis. In such exceptional cases, the admissions committee will review whether a candidate has significant high-level work experience or qualifications and at least 5 years since the Bachelor's degree was earned.

Specialization Requirements

- Completed the following:
  - JMC601 - Media, Culture, Gender, and Race (3)
  - JMC602 - Seminar in Advertising (3)
  - JMC603 - Seminar in Public Relations (3)
  - JMC604 - Introduction to Mass Media (3)
  - JMC620 - Strategic Communications (3)
  - JMC650 - Media Law Essentials for Business Leaders (3)
  - JMC658 - New Technologies (3)
  - JMC690 - Comprehensive Project (3)
  - MGT651 - Seminar in Organizational Behavior (3)
  - MKT667 - Market Planning and Application (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Department of Journalism and Mass Communications 114 Wilson Hall (270) 809-2387
msu.jmc@murraystate.edu

Default Advisor

H. Allen White

Mass Communications (Minor)

Program Name

Mass Communications

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Journalism and Mass Communications

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Students cannot minor in mass communications if they have a major in the Journalism and Mass Communications department. They can, however, minor in advertising.

Program Requirements

- Complete all of the following
  - Completed the following:
    - JMC168 - Contemporary Mass Media (3)
    - JMC194 - Newswriting (3)
    - JMC330 - Mass Media Effects (3)
    - JMC590 - Mass Communication Law (3)
  - Earned at least 12 credits from JMC

Grand Total Credits: **24**

Minimum Credential Hours

21

Program Contact Information

Department of Journalism and Mass Communications 114 Wilson Hall (270) 809-2387 msu.jmc@murraystate.edu

Default Advisor

Dept Chair

Media Production (Minor)

Program Name

Media Production

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Journalism and Mass Communications

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Advertising, Public Relations, and Television Production majors may substitute GCM 250 or JMC 270 and any upper-level COM course for JMC 590.

Program Requirements

- Complete all of the following
  - Completed the following:
    - JMC270 - Media Production (3)
    - JMC336 - Writing for Media Production (3)
    - JMC358 - Television Studio Production (3)
    - JMC369 - Audio/Video Post Production (3)
    - JMC448 - Media Production Enterprises (3)
    - JMC451 - Television Field Production (3)
    - JMC455 - Capstone in Media Production (3)
    - JMC590 - Mass Communication Law (3)
  - Co-Requirements:
  - Completed at least 1 of the following:
    - CSC125 - Internet and Web Page Design (3)
    - CSC199 - Introduction to Information Technology (3)
  - Completed the following:
    - GCM152 - Introduction to Digital Imaging (3)

Grand Total Credits: **30**

Minimum Credential Hours

21

Program Contact Information

Department of Journalism and Mass Communications 114 Wilson Hall (270) 809-2387
msu.jmc@murraystate.edu

Default Advisor

Dept Chair

Nonprofit Leadership Studies (CERT: Certificate)

Program Name

Nonprofit Leadership Studies

Degree

CERT: Certificate

CIP Code

520213

Program Level

Graduate

Department

Organizational Communication and Leadership

College

Arthur J. Bauernfeind College of Business

Graduate Program Type

Graduate Certificate

Description

The Nonprofit Leadership Studies Certificate program is designed to support professionals working in leadership roles and those seeking to advance into leadership roles in the nonprofit sector. In addition, it supports those wanting to transition from government or business into the nonprofit sector. The certificate will help ensure a quality understanding of the role of the nonprofit sector in strengthening civil society. In addition, students will customize the set of courses taken to align with career interests across the field of practice. This program leads to a non-practice credential and is not approved by the Kentucky Educational Professional Standards Board.

Graduation Requirements

Requirements for Admission:

Admission is based on applicants holding an undergraduate degree from an accredited higher education institution.

Applicants must comply with the Murray State University requirements (see Graduate Admissions). Additional requirements for unconditional admission are as follows:

- unconditional admission is based on an undergraduate GPA of 3.0 or higher;
- conditional admission for applicants with an undergraduate GPA below 3.0 requires a letter of application to the Program Director of the Nonprofit Leadership Studies Program describing the interest in the program. A student who is admitted conditionally must maintain a GPA of 3.0. Failure to do so results in academic probation or academic suspension, per University policy.

Program Requirements

- Complete all of the following
  - Completed the following:
    - NLS600 - The Nonprofit Sector and Civil Society (3)
  - Earned at least 9 credits from the following:
    - NLS601 - Seminar on Nonprofit Organizations (3)
    - NLS602 - Financial Resource Management and Development (3)
    - NLS625 - Nonprofit Organization Development, Management, and Leadership (3)
    - NLS665 - Policy, Legal Issues, and Advocacy for Social Change in Nonprofit Organizations (3)
    - NLS675 - Social Entrepreneurship (3)
    - NLS685 - Seminar on Leadership Development (3)

Grand Total Credits: **12**

Minimum Credential Hours

12

Program Contact Information

Department of Organizational Communication and Leadership 312 Wilson Hall (270) 809-4483

Default Advisor

R. Long

Nonprofit Leadership Studies (MS: Master of Science)

Program Name

Nonprofit Leadership Studies

Degree

MS: Master of Science

CIP Code

520213

Program Level

Graduate

Department

Organizational Communication and Leadership

College

Arthur J. Bauernfeind College of Business

Graduate Program Type

Graduate Degree

Description

This program has been suspended and no new students are being admitted. For current program information, contact the chair of the department.

Default Advisor

R. Long

Nonprofit Leadership Studies (Minor)

Program Name

Nonprofit Leadership Studies

Degree

Minor

Program Level

Undergraduate

Department

Organizational Communication and Leadership

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - NLS300 - Introduction to Nonprofit Management (3)
    - NLS350 - Program Development (3)
    - NLS351 - Leadership, Governance, and Board Development (3)
    - NLS402 - Financial Resource Management and Fund Development (3)
    - NLS465 - Policy, Legal Issues, and Advocacy for Social Change in Nonprofit Organizations (3)
  - Completed at least 6 credits from the following types of courses:
    Limited electives

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Organizational Communication and Leadership 312 Wilson Hall (270) 809-4483

Default Advisor

Dept Chair

Nonprofit Leadership Studies/Nonprofit Management (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Nonprofit Leadership Studies/Nonprofit Management

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

520213

Program Level

Undergraduate

Department

Organizational Communication and Leadership

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Major

Description

The Nonprofit Leadership Studies program is designed to develop the next generation of nonprofit sector leaders, prepared to engage as highly effective and dedicated professionals committed to improving the quality of life for people around the world. The nonprofit sector is highly diverse, addressing issues and needs related to health services, education, social and legal services, civic and environmental advocacy, international relations and development, arts and culture, youth development and human services. Example organizations include the American Red Cross, Boy and Girl Scouts of America, Feeding America, Habitat for Humanity, Humane Society, National Urban League, United Way, World Vision, YMCA, 4-H and a range of institutions in the healthcare, higher education, and faith-based institutions.

Note: With the exception of first-semester freshmen, all students must have a cumulative GPA of 2.0 or higher and have completed all developmental courses prior to declaring Nonprofit Leadership Studies as a major. The major is offered as a BA or BS and requires a minor. (A second major can replace the required minor.)

Graduation Requirements

A 2.50 grade point average is major and minor.

Specifically Required University Studies

- Completed the following:
  - NLS290 - Community Engagement and the Nonprofit Sector (3)

Grand Total Credits: **3**

Program Requirements

- Complete all of the following
  - Completed the following:
    - NLS100T - Transitions (1)
    - NLS207 - Diversity and Inclusion in a Global Society (3)
    - NLS302 - Special Event Management (3)
    - NLS350 - Program Development (3)
    - NLS351 - Leadership, Governance, and Board Development (3)
    - NLS352 - Human Resource and Volunteer Development (3)
    - NLS400 - Professional Internship (1 - 3)
    - NLS402 - Financial Resource Management and Fund Development (3)
    - NLS410 - Technology Skills for Community Organizations (3)
    - NLS450 - Senior Seminar Capstone (3)
  - Nonprofit Management Track:
  - Completed the following:
    - NLS300 - Introduction to Nonprofit Management (3)
    - NLS305 - Giving, Philanthropy and Grant-making (3)
    - NLS465 - Policy, Legal Issues, and Advocacy for Social Change in Nonprofit Organizations (3)
  - Completed at least 1 of the following:
    - NLS306 - Aging in American Society (3)
    - NLS370 - Philanthropy, NGOs and International Development (3)
    - NLS380 - The Nonprofit Sector in Comparative Perspective: Study Abroad Experience (3)
    - NLS403 - Nonprofit and Recreation Facilities (3)
  - Completed at least 1 of the following:
    - NLS430 - NPOs and Community Development: Comprehensive Strategies for Impact (3)
    - NLS475 - Social Entrepreneurship (3)
    - NLS485 - Seminar on Leadership Development (3)
  - Career Related Electives:
  - Completed at least 9 credits from the following types of courses:
    Courses selected with the support of the academic advisor that align with the student's professional and career goals
  - Completed at least 21 credits from the following types of courses:
    Required Minor

Grand Total Credits: **71 - 73**

Minimum Credential Hours

120

Program Contact Information

Department of Organizational Communication and Leadership 312 Wilson Hall (270) 809-4483

Default Advisor

R. Long

Organizational Communication (Minor)

Program Name

Organizational Communication

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Organizational Communication and Leadership

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Three hours may be from other courses if approved by the minor advisor.

Program Requirements

- Complete all of the following
  - Completed the following:
    - COM201 - Communication Foundations and Theory (3)
    - COM331 - Interpersonal Communication (3)
    - COM380 - Organizational Communication (3)
    - COM384 - Communication Skills for Professionals (3)
    - COM390 - Communication Research (3)
    - COM595 - Senior Seminar in Organizational Communication (3)
  - Earned at least 6 credits from the following:
    - COM215 - Introduction to Sports Communication (3)
    - COM260 - Communication Ethics (3)
    - COM340 - Intercultural Communication (3)
    - COM345 - Diversity, Communication, and the Workplace (3)
    - COM353 - Team Communication and Leadership (3)
    - COM361 - Career Presentation (3)
    - COM367 - Communication and Critical Thought (3)
    - COM386 - Corporate Communication (3)
    - COM422 - Communication and Technology (3)
    - COM439 - Conflict and Communication (3)
    - COM461 - Persuasive Communication (3)
    - COM580 - Advanced Organizational Communication (3)

Grand Total Credits: **24**

Minimum Credential Hours

21

Program Contact Information

Department of Organizational Communication and Leadership 312 Wilson Hall (270) 809-4483

Default Advisor

Dept Chair

Organizational Communication (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Organizational Communication

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

090901

Program Level

Undergraduate

Department

Organizational Communication and Leadership

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Major

Graduation Requirements

The total number of credit hours earned in business courses (ACC, BUS, CIS, FIN, MGT, MKT, RES, LST 240, LST 440) cannot exceed 25 percent of the total curriculum requirements.

The Department of Organizational Communication requires that a 2.50 grade point average (GPA) be maintained by all COM majors or minors in order to receive a degree from Murray State University. A student failing to maintain a 2.50 GPA will not be permitted to take new courses in the department until the GPA reaches or exceeds 2.50.

Program Requirements

- Complete all of the following
  - Completed the following:
    - COM100T - Transitions (1)
    - COM201 - Communication Foundations and Theory (3)
    - COM331 - Interpersonal Communication (3)
    - COM340 - Intercultural Communication (3)
    - COM353 - Team Communication and Leadership (3)
    - COM380 - Organizational Communication (3)
    - COM384 - Communication Skills for Professionals (3)
    - COM390 - Communication Research (3)
    - COM580 - Advanced Organizational Communication (3)
    - COM595 - Senior Seminar in Organizational Communication (3)
  - Completed at least 1 of the following:
    - COM361 - Career Presentation (3)
    - COM461 - Persuasive Communication (3)
  - Required Limited Electives: (A maximum of three hours may be chosen with advisor approval from courses not on the list)
  - Earned at least 9 credits from the following:
    - COM215 - Introduction to Sports Communication (3)
    - COM260 - Communication Ethics (3)
    - COM261 - Debate and Advocacy (3)
    - COM345 - Diversity, Communication, and the Workplace (3)
    - COM361 - Career Presentation (3)
    - COM367 - Communication and Critical Thought (3)
    - COM386 - Corporate Communication (3)
    - COM401 - Contemporary Issues in Communication (1 - 3)
    - COM422 - Communication and Technology (3)
    - COM439 - Conflict and Communication (3)
    - COM461 - Persuasive Communication (3)
    - COM488 - Cooperative Education/Internship (1 - 3)
    - COM489 - Cooperative Education/Internship (1 - 3)
    - COM510 - Internship (3 - 6)
    - COM530 - Seminar in Interpersonal Communication (3)
    - COM553 - Advanced Team Communication and Leadership (3)
    - COM577 - Organizational Learning and Dialogue (3)
  - Completed at least 21 credits from the following types of courses:
    Required Minor

Grand Total Credits: **61**

Minimum Credential Hours

120

Program Contact Information

Department of Organizational Communication and Leadership 312 Wilson Hall (270) 809-4483

Default Advisor

R. Bokeno

Organizational Communication (Non-Thesis) (MS: Master of Science)

Program Name

Organizational Communication (Non-Thesis)

Degree

MS: Master of Science

CIP Code

090901

Program Level

Graduate

Department

Organizational Communication and Leadership

College

Arthur J. Bauernfeind College of Business

Graduate Program Type

Graduate Degree

Description

The Department of Organizational Communication offers a Master of Arts or a Master of Science in Organizational Communication. Graduate study in organizational communication prepares students for effective membership, human management, and prudent leadership in organizations. Coursework focuses on various organizational, interpersonal, and small group communication processes vital to personal and organizational success. Students acquire advanced communication knowledge and skills in such areas as conflict resolution, managerial communication, leadership, customer relations, team communication, organizational change, healthcare communication, persuasion, intercultural communication, training, and organizational learning.

The program, which is theoretically and experientially oriented, provides students with course offerings allowing in-depth study and opportunity to pursue individual interests. Coursework is designed for both focused study and maximum flexibility to meet the unique career goals of each student. The program prepares individuals (1) to enter areas of business, industry, government, and nonprofit administration, where knowledge of and competence in communication are essential; (2) to enter other vocations where communication is of prime importance (e.g. the ministry, law, public service); (3) to continue study of communication at the doctoral level; and (4) to teach organizational communication at the college level.

Murray and Regional Campus Options

The graduate degree is delivered in multiple formats. At the Murray campus, the graduate program can be completed through a combination of night, online, and independent study courses. These options provide greater flexibility for working adults to pursue the degree part-time or full-time based on their schedules. Second, a 16-month, cohort program is offered on a rotating basis at our regional campuses depending on demand. The combination of weekend and online instruction maximizes learning while minimizing the number of class meetings. Each course in the accelerated format is five weeks long. Students take two or three courses each semester during the 16-month timeframe. Once completed, the 16-month program moves to the next regional campus.

Requirements for Admission

Applicants must meet the Murray State University requirements (see Graduate Admission). Additional departmental requirements are as follows:

Unconditional

An overall GPA of 3.0 in the last two years of undergraduate work with at least a minor in communication, business, or related field.

Conditional

An undergraduate GPA of at least 2.50

Conditional students may be required to complete certain undergraduate courses before beginning the program. After beginning the program, conditional students will undergo a review after their first nine hours and are admitted to full standing after completion of B or better work and approval of the graduate program coordinator.

International students entering the organizational communication program from the Murray State University English as a Second Language (ESL) program must have completed Level 6 and must score at least 18 in each test area on the TOEFL internet-based test, a 500 on the TOEFL paper-based test or 178 on the computer-based test. International students who have not completed the ESL program must score at least 18 in each test area on the TOEFL internet-based test, a 550 on the TOEFL paper-based test or 213 on the computer-based test.

Graduation Requirements

COM 680 is required if COM 580 or 585 were not taken for an undergraduate degree.

Other Degree Requirements:

- Comprehensive examination designed to facilitate integrative learning

Program Requirements

- Complete all of the following
  - Completed the following:
    - COM672 - Communication in Instructional Environments (3)
    - COM680 - Advanced Organizational Communication (3)
    - COM689 - Philosophy and Future of Organizational Communication (3)
    - COM690 - Research Methods in Organizational Communication (3)
  - Earned at least 6 credits from COM 600 - 699
  - Completed at least 9 credits from the following types of courses:
    Approved electives, 600-level
  - Completed at least 1 of the following:
    - COM622 - Communication Technology (3)
    - COM631 - Interpersonal Communication at Work (3)
    - COM639 - Seminar in Conflict Resolution (3)
    - COM682 - Seminar in Crisis Communication (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Program Contact Information

Department of Organizational Communication and Leadership 312 Wilson Hall (270) 809-4483

Default Advisor

F. Smith

Organizational Communication (Thesis) (MA: Master of Arts)

Program Name

Organizational Communication (Thesis)

Degree

MA: Master of Arts

CIP Code

090901

Program Level

Graduate

Department

Organizational Communication and Leadership

College

Arthur J. Bauernfeind College of Business

Graduate Program Type

Graduate Degree

Description

The Department of Organizational Communication offers a Master of Arts or a Master of Science in Organizational Communication. Graduate study in organizational communication prepares students for effective membership, human management, and prudent leadership in organizations. Coursework focuses on various organizational, interpersonal, and small group communication processes vital to personal and organizational success. Students acquire advanced communication knowledge and skills in such areas as conflict resolution, managerial communication, leadership, customer relations, team communication, organizational change, healthcare communication, persuasion, intercultural communication, training, and organizational learning.

The program, which is theoretically and experientially oriented, provides students with course offerings allowing in-depth study and opportunity to pursue individual interests. Coursework is designed for both focused study and maximum flexibility to meet the unique career goals of each student. The program prepares individuals (1) to enter areas of business, industry, government, and nonprofit administration, where knowledge of and competence in communication are essential; (2) to enter other vocations where communication is of prime importance (e.g. the ministry, law, public service); (3) to continue study of communication at the doctoral level; and (4) to teach organizational communication at the college level.

Murray and Regional Campus Options

The graduate degree is delivered in multiple formats. At the Murray campus, the graduate program can be completed through a combination of night, online, and independent study courses. These options provide greater flexibility for working adults to pursue the degree part-time or full-time based on their schedules. Second, a 16-month, cohort program is offered on a rotating basis at our regional campuses depending on demand. The combination of weekend and online instruction maximizes learning while minimizing the number of class meetings. Each course in the accelerated format is five weeks long. Students take two or three courses each semester during the 16-month timeframe. Once completed, the 16-month program moves to the next regional campus.

Requirements for Admission

Applicants must meet the Murray State University requirements (see Graduate Admission). Additional departmental requirements are as follows:

Unconditional

An overall GPA of 3.0 in the last two years of undergraduate work with at least a minor in communication, business, or related field.

Conditional

An undergraduate GPA of at least 2.50

Conditional students may be required to complete certain undergraduate courses before beginning the program. After beginning the program, conditional students will undergo a review after their first nine hours and are admitted to full standing after completion of B or better work and approval of the graduate program coordinator.

International students entering the organizational communication program from the Murray State University English as a Second Language (ESL) program must have completed Level 6 and must score at least 18 in each test area on the TOEFL internet-based test, a 500 on the TOEFL paper-based test or 178 on the computer-based test. International students who have not completed the ESL program must score at least 18 in each test area on the TOEFL internet-based test, a 550 on the TOEFL paper-based test or 213 on the computer-based test.

Graduation Requirements

COM 680 is required if COM 580 or 585 were not taken for an undergraduate degree.

Other Degree Requirements:

- Oral defense of the thesis
- Comprehensive examination designed to facilitate integrative learning

Program Requirements

- Complete all of the following
  - Completed the following:
    - COM672 - Communication in Instructional Environments (3)
    - COM680 - Advanced Organizational Communication (3)
    - COM689 - Philosophy and Future of Organizational Communication (3)
    - COM690 - Research Methods in Organizational Communication (3)
    - COM693 - Readings in Communication Research (3)
    - COM698 - Thesis (3)
    - COM699 - Thesis (3)
  - Earned at least 3 credits from COM 600 - 699
  - Completed at least 6 credits from the following types of courses: Approved electives, 600-level
  - Completed at least 1 of the following:
    - COM622 - Communication Technology (3)
    - COM631 - Interpersonal Communication at Work (3)
    - COM639 - Seminar in Conflict Resolution (3)
    - COM682 - Seminar in Crisis Communication (3)

Grand Total Credits: **33**

Minimum Credential Hours

30

Program Contact Information

Department of Organizational Communication and Leadership 312 Wilson Hall (270) 809-4483

Default Advisor

F. Smith

Organizational Dynamics (CERT: Certificate)

Program Name

Organizational Dynamics

Degree

CERT: Certificate

CIP Code

520213

Program Level

Graduate

Department

Organizational Communication and Leadership

College

Arthur J. Bauernfeind College of Business

Graduate Program Type

Graduate Certificate

Description

The Certificate in Organizational Dynamics is designed to enhance a person's ability to lead and be effective in organizational settings. Emphasis is placed on recognizing and responding to internal and external issues to the organization that impact productivity, reputation, and success.

Requirements for Admission

Students who hold an undergraduate degree, graduate degree, or are currently enrolled in a graduate degree program may apply for the Certificate in Organizational Dynamics program.

Applicants must comply with the Murray State University requirements (see *Graduate Admissions*). Additional requirements for unconditional admission are as follows:

- for unconditional admission, an undergraduate GPA of 3.0 or higher in the last two years of undergraduate work with a minor in communication, business, or related field;
- for conditional admission, an undergraduate GPA of at least 2.50 is required.

Program Requirements

- Complete all of the following
  - Completed the following:
    - COM639 - Seminar in Conflict Resolution (3)
    - COM685 - Seminar in Organizatonal Communication (3)
  - Earned at least 6 credits from the following:
    - COM631 - Interpersonal Communication at Work (3)
    - COM653 - Advanced Team Communication and Leadership (3)
    - COM673 - Organizational Training and Development (3)
    - COM677 - Organizational Learning and Dialogue (3)
    - JMC602 - Seminar in Advertising (3)
    - JMC603 - Seminar in Public Relations (3)
    - MGT651 - Seminar in Organizational Behavior (3)

Grand Total Credits: **12**

Minimum Credential Hours

12

Program Contact Information

Department of Organizational Communication and Leadership 312 Wilson Hall (270) 809-4483

Default Advisor

F. Smith

Photography (Minor)

Program Name

Photography

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Journalism and Mass Communications

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Graphic Communications Media majors may substitute an elective from the list

Program Requirements

- Complete all of the following
  - Completed the following:
    - GCM153 - Electronic Imaging (3)
    - GCM250 - Fundamentals of Photography and Photojournalism (3)
  - Earned at least 15 credits from the following:
    - ART350 - Introduction to Graphic Design I: Digital Art (3)
    - ART382 - Introduction to Photography (3)
    - GCM350 - Basic Color Photography (3)
    - GCM357 - Industrial Photography (3)
    - GCM358 - Commercial Photography (3)
    - GCM359 - Publication Photography (3)
    - GCM360 - Portraiture Photography (3)
    - GCM440 - Digital Photography (3)
    - GCM454 - Color Management and Quality Control (3)
    - JMC270 - Media Production (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Journalism and Mass Communications 114 Wilson Hall (270) 809-2387
msu.jmc@murraystate.edu

Default Advisor

Dept Chair

Public Relations (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Public Relations

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

090902

Program Level

Undergraduate

Department

Journalism and Mass Communications

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Major

Accreditations

Accrediting Council on Education in Journalism and Mass Communications (ACEJMC)

Graduation Requirements

ACEJMC requires that students earn at least 72 hours of credit (of the 120 required for graduation) outside of the Department of Journalism and Mass Communications.

Program Requirements

- Complete all of the following
  - Completed the following:
    - JMC100T - Transitions (1)
    - JMC168 - Contemporary Mass Media (3)
    - JMC194 - Newswriting (3)
    - JMC330 - Mass Media Effects (3)
    - JMC391 - Public Relations Principles (3)
    - JMC412 - Content Creation for Public Relations (3)
    - JMC440 - Research Methods for Public Relations (3)
    - JMC444 - Digital Technology for Public Relations (3)
    - JMC491 - PR Capstone: Cases and Campaigns (3)
    - JMC499 - Senior Seminar (1)
    - JMC590 - Mass Communication Law (3)
  - Required Limited Electives:
  - Completed at least 2 of the following:
    - BUS140 - Foundations of Business (3)
    - GCM250 - Fundamentals of Photography and Photojournalism (3)
    - JMC270 - Media Production (3)
    - JMC305 - News Editing (3)
    - JMC322 - Mass Media Study Abroad (3)
    - JMC336 - Writing for Media Production (3)
    - JMC384 - Sports Media (3)
    - JMC385 - Directed Individual Study (1 - 3)
    - JMC394 - Introduction to Advertising (3)
    - JMC396 - Publication Design (3)
    - JMC397 - In-depth Reporting (3)
    - JMC398 - Advanced Multimedia Reporting (3)
    - JMC400 - International Mass Communications (3)
    - JMC492 - Feature Writing (3)
    - JMC586 - Special Topics (3 - 6)
    - JMC596 - Internship (3)
    - MGT350 - Fundamentals of Management (3)
    - MKT360 - Principles of Marketing (3)
  - Co-Requirements:
  - Completed at least 1 of the following:
    - CSC125 - Internet and Web Page Design (3)
    - CSC199 - Introduction to Information Technology (3)
  - Completed the following:
    - GCM152 - Introduction to Digital Imaging (3)
  - Completed at least 21 credits from the following types of courses: Required Minor

Grand Total Credits: **60 - 65**

Minimum Credential Hours

120

Program Contact Information

Department of Journalism and Mass Communications 114 Wilson Hall (270) 809-2387
msu.jmc@murraystate.edu

Default Advisor

A. White

Real Estate (Minor)

Program Name

Real Estate

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Management, Marketing and Business Administration

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - RES132 - Real Estate Principles I (3)
    - RES242 - Real Estate Law (3)
  - Earned at least 6 credits from RES
  - Completed at least 9 credits from the following types of courses:
    Approved business electives, at least six of which must be from upper-level courses

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196 msu.mgtmkt@murraystate.edu

Default Advisor

Dept Chair

Sports Communication (Minor)

Program Name

Sports Communication

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Organizational Communication and Leadership

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - COM215 - Introduction to Sports Communication (3)
    - COM315 - Coaching as Communication (3)
    - COM386 - Corporate Communication (3)
    - COM439 - Conflict and Communication (3)
  - Earned at least 9 credits from the following:
    - COM353 - Team Communication and Leadership (3)
    - COM401 - Contemporary Issues in Communication (1 - 3)
    - COM510 - Internship (3 - 6)
    - HIS330 - Sports in America (3)
    - JMC384 - Sports Media (3)
    - MGT370 - Sports Business (3)
    - MKT285 - Emerging Technologies in Marketing (3)
    - PSY222 - Sport Psychology (3)
    - SOC436 - Sociology of Sport (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Organizational Communication and Leadership 312 Wilson Hall (270) 809-4483

Default Advisor

Dept Chair

Television Production (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Television Production

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

090701

Program Level

Undergraduate

Department

Journalism and Mass Communications

College

Arthur J. Bauernfeind College of Business

Undergraduate Program Type

Major

Accreditations

Accrediting Council on Education in Journalism and Mass Communications (ACEJMC)

Graduation Requirements

ACEJMC requires that students earn at least 72 hours of credit (of the 120 required for graduation) outside of the Department of Journalism and Mass Communications.

Program Requirements

- Complete all of the following
  - Completed the following:
    - JMC100T - Transitions (1)
    - JMC168 - Contemporary Mass Media (3)
    - JMC270 - Media Production (3)
    - JMC330 - Mass Media Effects (3)
    - JMC336 - Writing for Media Production (3)
    - JMC358 - Television Studio Production (3)
    - JMC369 - Audio/Video Post Production (3)
    - JMC448 - Media Production Enterprises (3)
    - JMC451 - Television Field Production (3)
    - JMC455 - Capstone in Media Production (3)
    - JMC499 - Senior Seminar (1)
    - JMC590 - Mass Communication Law (3)
  - Required Limited Elective:
  - Earned at least 3 credits from the following:
    - JMC322 - Mass Media Study Abroad (3)
    - JMC384 - Sports Media (3)
    - JMC385 - Directed Individual Study (1 - 3)
    - JMC391 - Public Relations Principles (3)
    - JMC394 - Introduction to Advertising (3)
    - JMC398 - Advanced Multimedia Reporting (3)
    - JMC400 - International Mass Communications (3)
    - JMC426 - Advertising Media Sales (3)
    - JMC440 - Research Methods for Public Relations (3)
    - JMC586 - Special Topics (3 - 6)
    - JMC596 - Internship (3)
  - Co-Requirements:
  - Completed at least 1 of the following:
    - CSC125 - Internet and Web Page Design (3)
    - CSC199 - Introduction to Information Technology (3)
  - Completed the following:
    - GCM152 - Introduction to Digital Imaging (3)
  - Completed at least 21 credits from the following types of courses: Required Minor

Grand Total Credits: **62**

Minimum Credential Hours

120

Program Contact Information

Department of Journalism and Mass Communications 114 Wilson Hall (270) 809-2387 msu.jmc@murraystate.edu

Default Advisor

A. White

Center for Adult and Regional Education (CARE)

General Studies (AA: Associate of Arts)

Program Name

General Studies

Degree

AA: Associate of Arts

CIP Code

240101

Program Level

Undergraduate

Department

Center for Adult and Regional Education (CARE)

College

Center for Adult and Regional Education (CARE)

Undergraduate Program Type

Major

Description

The Associate of Arts in General Studies is a degree program for students seeking a two-year course of study. Refer to the *Degrees* section of *Academic Degrees and Programs* for additional degree requirements.

Program Requirements

- Complete all of the following
  - Oral and Written Communication:
  - Completed at least 1 of the following:
    - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - ENG150 - Honors Rhetoric, Composition and Research (4)
  - Scientific Inquiry, Methodologies, and Quantitative Skills:
  - Completed at least 10 credits from the following types of courses:
    University Studies courses in this category
  - World's Historical, Literary, and Philosophical Traditions:
  - Completed at least 6 credits from the following types of courses:
    University Studies courses in this category
  - Global Awareness, Cultural Diversity, and the World's Artistic Traditions:
  - Completed at least 3 credits from the following types of courses:
    University Studies course in this category
  - Social and Self-Awareness and Responsible Citizenship:
  - Completed at least 3 credits from the following types of courses:
    Ethics, Social Responsibility and Civic Engagement course
  - Completed at least 3 credits from the following types of courses:
    Social Science course
  - University Studies Approved Electives:
  - Completed at least 10 credits from the following types of courses:
    University Studies courses from any category. No more than two courses in any one discipline may be taken to meet this requirement.
  - Approved Electives:
  - Completed at least 21 credits from the following types of courses:
    Approved Electives

Grand Total Credits: **60**

Minimum Credential Hours

60

Program Contact Information

Center for Adult and Regional Education 313 Lowry Center (270) 809-4150

Default Advisor

L. Schmidt

Integrated Studies (BIS: Bachelor of Integrated Studies)

Program Name

Integrated Studies

Degree

BIS: Bachelor of Integrated Studies

CIP Code

240102

Program Level

Undergraduate

Department

Center for Adult and Regional Education (CARE)

College

Center for Adult and Regional Education (CARE)

Undergraduate Program Type

Area

Description

The Bachelor of Integrated Studies is a degree-completion program for returning adult students with 60 or more credit hours. The Integrated Studies program works best for students established in careers who do not need a specific academic credential for a new career. It also works well for students who desire a liberal arts education and for students who plan to enter select graduate programs.

Adults find the Integrated Studies program attractive for its flexible degree requirements, which make it easier to apply previous college work to a Murray State degree. Other features include acceptance of transfer coursework and the possibility of credit for prior learning.

Admission Requirements

The Integrated Studies degree is not for everyone. Admission into the program is available to adult students who meet the following conditions:

- Must have 60 hours of prior credit
- Must have a 2.2 GPA or higher in prior coursework
- Must have a one-year absence from school OR be a KCTCS transfer.

Exceptions to the above requirements are made by consent of the Integrated Studies Program Director.

Limitations

Due to the accreditation requirements of the College of Business, any student who wishes to apply business course credits to the Integrated Studies degree requirements must consult an Integrated Studies advisor. Students who have more than 25% of their coursework in business courses may be required to complete the business core. Teacher education and nursing program courses are not available to Integrated Studies students. The degree is not designed for students who want credentials for entry into professional fields that require a specific undergraduate course of study. Students wishing to change their major to the Bachelor of Integrated

Studies, must first speak to a program advisor and have an overall GPA of 2.5 or greater.

Field of Study

The field of study is a planned academic concentration agreed upon by the student and the Integrated Studies advisor. The field may be interdisciplinary (for example, humanities or natural sciences) or it might be built upon a core consisting of a traditional major or minor. Some students build their field of study on the basis of courses required for admission to a graduate program. Each Integrated Studies students has an individually designed academic concentrations that does not follow the major requirements for traditional degrees.

However designed, the field of study must include two appropriate courses in research methodology. These courses prepare the student for the culmination of the Integrated Studies program and the field of study project. An Integrated Studies Senior Project is required of every student.

The Integrated Studies Senior Project is the final step in completing the Bachelor of Integrated Studies degree. The project report will be displayed in the Murray State University library's Digital Commons. It serves as a synthesis of applied learning and as a basis for an assessment of the student's analytical skills.

Active Status

Students may proceed at their own pace, taking as many or as few courses as they can handle. See MSU readmission requirements in Undergraduate Admissions for students who have been out of school for more than two semesters.

Fees

The following are fees applicable to the Bachelor of Integrated Studies degree:

• application fee—$40; non-refundable; does not apply to tuition;

• portfolio assessment—refer to the *Schedule of Fees* for more information;

• undergraduate semester credit hour—refer to the *Schedule of Fees* for more information;

• departmental challenge examination fee—Refer to the *Schedule of Fees* for information.

• web-based course fee—web-based courses have additional course fees. Refer to the *Schedule of Fees* for information.

Credit for Prior Learning

Departmental challenge examinations measure how well a student has mastered the content of courses which are normally offered to traditional students. Applications for departmental challenge examinations are made to the respective department.

The College Level Examinations Program (CLEP) provides a way to earn college credit by taking standardized tests. A student may arrange to take these tests at any higher education institution offering the tests. Students who have ever enrolled at Murray State must have permission to take the CLEP tests. For more information about CLEP testing, contact the Testing Center, 270-809-6848.

Integrated Studies students may also apply for prior learning credit in Murray State courses by submitting an educational portfolio to a willing faculty reviewer of materials to show that the student has learned the course content. A maximum of 30 semester credit hours may be awarded for credit. The Integrated Studies program maintains a portfolio guide setting forth procedures for submission and evaluation of portfolios. **Each**

department will determine the methods for evaluation of portfolios.

Transfer credit from other accredited colleges or universities can become a part of the degree requirements with approval of the Integrated Studies advisor. The student must earn a minimum of 32 semester hours of degree credit at Murray State.

Policies not stated in this section may be found by referring to Murray State University's policies in other sections of this bulletin. For additional information regarding admission criteria, degree requirements, curriculum and fees, contact the Integrated Studies Program Director, Center for Adult and Regional Education, Murray State University, 313 Lowry Center, Murray KY 42071-0009, or call 270-809-4159; outside Calloway County, call toll free, 1-800-669- 7654.

Graduation Requirements

The Bachelor of Integrated Studies degree requires 120 semester hours. Thirty-two semester hours must be taken with Murray State. Thirty-nine upper-division credits, courses taken at or above the 300-level, must be completed. An overall grade point average (GPA) of 2.0, 32 semester hours of credit with Murray State University with a GPA of 2.0, and 30 semester hours in a field of study with a GPA of 2.5 are required. **Note:** This degree does not restrict the final hours from transferring into Murray State as long as the transfer hours are pre-approved by the Integrated Studies advisor and the Registrar.

Program Requirements

- Complete all of the following
  - Core Courses:
  - Completed the following:
    - BIS399 - Seminar in Integrated Studies (3)
    - BIS437 - Senior Project (6)
  - Completed at least 18 credits from the following types of courses:
    Field of Study
  - Completed at least 6 credits from the following types of courses:
    Research Methods
  - Unrestricted Electives:
  - Completed at least 46 credits from the following types of courses:
    Portfolio Credit (max. 30 semester credit hours), Military and Professional Courses, Credits from Accredited Institutions

Grand Total Credits: **79**

Minimum Credential Hours

120

Program Contact Information

Center for Adult and Regional Education 313 Lowry Center (270) 809-4150

Default Advisor

Varies by Location

Military Science (Minor)

Program Name

Military Science

Degree

Minor

Program Level

Undergraduate

Department

Military Science

College

Center for Adult and Regional Education (CARE)

Undergraduate Program Type

Minor

Description

Four-Year Minor Option

Students have the option to qualify and compete for contracting as a cadet in ROTC to become eligible to commission as an officer in the U.S. Army after selection and completion of an undergraduate degree.

Students who enroll in any military science course incur no military obligation. Basic level courses are conducted in the same manner as are other courses taught at the University.

Students entering into the advanced course must be of high moral character and meet required medical, aptitude, and GPA requirements. In addition, if contracted as a cadet, students must sign an agreement to fulfill any obligations and a military service requirement in either the Reserve Component or Active Army upon completion of ROTC and graduating from Murray State. This will not be valid if a cadet is disqualified, disenrolled, or not selected for commissioning as an officer; however, some obligations may remain.

Two-Year Minor Option

The two-year program is designed for transfer students and Murray State students who qualify to earn a commission as an Army officer or want a minor without a military obligation but did not participate in the four-year program. Students desiring to participate in the two- Center for Adult and Regional Education 254 year program must gain credit for basic military science courses. This credit can be awarded to students who are veterans, National Guard and Reserve personnel that have completed Basic Training. Also, college students who qualify and contract as cadets with at least two years remaining in college may gain credit for basic military science courses by completing an ROTC leadership practicum (MIL 210) at Fort Knox, Kentucky, conducted each summer. Students participating in MIL 210 must meet screening height and weight standards, pass an entrance level Army Physical Fitness Test (APFT), entrance medical exam, and have the approval of the chair of the Department of Military Science.

The two-year minor is the advanced military science course. All students entering the advanced course must be of high moral character and meet required medical, aptitude, and GPA requirements. Noncontracted students may obtain a minor in military science without a military service obligation. Contracted cadets, students must sign an agreement to fulfill any obligations and a military service requirement in either the Reserve Component or Active Army upon completion of ROTC and graduating from Murray State. This will not be valid if a cadet is disqualified, disenrolled, or not selected for commissioning as an officer; however, some obligations may remain.

Graduation Requirements

Leadership practicum during the summer session is not required to obtain the minor; however, it is required for commissioning selection and contracted cadets.

MIL 210 (Two-Year Minor Option) is not required if the student has completed Basic Combat Training or credit for prior military service has been received. Credit required for commissioning as a US Army officer.

Program Requirements

- Complete 1 of the following
  - Complete all of the following
    - Four-Year Minor Option:
    - Completed the following:
      - HIS333 - Military History of the United States (3)
      - MIL100 - Physical Conditioning Lab (1)
      - MIL101 - Introduction to the Army and Critical Thinking (2)
      - MIL102 - Introduction to the Profession of Arms (2)
      - MIL201 - Leadership and Decision Making (3)
      - MIL202 - Army Doctrine and Team Development (3)
      - MIL301 - Training Management and the Warfighting Functions (4)
      - MIL302 - Applied Leadership in Small Unit Operations (4)
      - MIL401 - The Army Officer (4)
      - MIL402 - Company Grade Leadership (4)
      - MIL410 - Leader Development - Advanced Cadet Summer Training (6)
  - Complete all of the following
    - Two-Year Minor Option:
    - Completed the following:
      - HIS333 - Military History of the United States (3)
      - MIL100 - Physical Conditioning Lab (1)
      - MIL210 - Leader's Training - Basic Cadet Summer Training (6)
      - MIL301 - Training Management and the Warfighting Functions (4)
      - MIL302 - Applied Leadership in Small Unit Operations (4)
      - MIL401 - The Army Officer (4)
      - MIL402 - Company Grade Leadership (4)
      - MIL410 - Leader Development - Advanced Cadet Summer Training (6)

Grand Total Credits: **32 - 36**

Minimum Credential Hours

21

Program Contact Information

Department of Military Science 211 Blackburn Science Building (270) 809-5061

Default Advisor

Dept Chair

College of Education and Human Services

Athletic Coaching (Minor)

Program Name

Athletic Coaching

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed at least 1 of the following:
    - EXS385 - Sport and Exercise Psychology (3)
    - PSY222 - Sport Psychology (3)
    - SOC436 - Sociology of Sport (3)
  - Completed the following:
    - PHE310 - Fundamentals of Athletic Coaching (2)
    - PHE375 - Movement Analysis for Physical Education (4)
    - PHE405 - Physiology of Exercise and Fitness (3)
  - Earned at least 10 credits from the following:
    - PHE285 - Football and Basketball Officiating (2)
    - PHE289 - Officiating Soccer (1)
    - PHE312 - Coaching Football I (2)
    - PHE314 - Coaching Basketball I (2)
    - PHE316 - Coaching Baseball I (2)
    - PHE318 - Coaching Track and Field I (2)
    - PHE319 - Coaching Soccer (2)
    - PHE414 - Coaching Basketball II (2)
    - PHE416 - Coaching Baseball II (2)

Grand Total Credits: **22**

Minimum Credential Hours

21

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

Dept Chair

Career and Technical Education (AS: Associate of Science)

Program Name

Career and Technical Education

Degree

AS: Associate of Science

CIP Code

131319

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Undergraduate Program Type

Major

Graduation Requirements

Other Degree Requirement

Current First Aid and Safety Certification required for graduation.

Program Requirements

- Complete all of the following
  - Completed the following:
    - CTE270 - Basic Structures and Foundations of CTE (3)
    - CTE272 - Organize and Managing School Learning Facilities (3)
    - CTE332 - Instructional Strategy in Career and Technical Education (3)
    - CTE333 - Classroom Assessment in Career and Technical Education (3)
    - CTE334 - Classroom Management in Career and Technical Education (3)
  - Required Electives:
  - Earned at least 27 credits from the following:
    - CTE331 - Instructional Planning in Career and Technical Education (3)
    - CTE381 - Career and Technical Experiences (1 - 30)

Grand Total Credits: **42**

Minimum Credential Hours

61

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

K. Parr

Career and Technical Education (CERT: Certificate)

Program Name

Career and Technical Education

Degree

CERT: Certificate

CIP Code

131319

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Description

The undergraduate certificate in Career and Technical Education is a 12-hour certificate designed for the in-service occupational based teacher who enters the classroom having either obtained an associate's degree previously or has bee hired by the Kentucky Department of Education based on demonstration of four (4) years of successful and appropriate occupational experience in the occupation area without a degree. Objectives of the certificate program are for teachers to gain pedagogical knowledge and learn best practices and to seamlessly apply certificate courses to the applicable career and technical education degree program.

Requirements for Admission

Students may be enrolled in the program upon permission of either the Adolescent, Career and Special Education department chair or the program coordinator.

Program Requirements

- Completed the following:
  - CTE331 - Instructional Planning in Career and Technical Education (3)
  - CTE332 - Instructional Strategy in Career and Technical Education (3)
  - CTE333 - Classroom Assessment in Career and Technical Education (3)
  - CTE334 - Classroom Management in Career and Technical Education (3)

Grand Total Credits: **12**

Minimum Credential Hours

12

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

K. Parr

Career and Technical Education (CERT: Certificate)

Program Name

Career and Technical Education

Degree

CERT: Certificate

CIP Code

131319

Program Level

Graduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Graduate Program Type

Graduate Certificate

Description

The graduate certificate in Career and Technical Education is a 12-hour certificate designed for the in-service occupational based teacher entering the classroom with a minimum of a baccalaureate degree. Objectives of the certificate program are for teachers to gain pedagogical knowledge and learn best practices and to seamlessly apply certificate courses to the applicable career and technical education degree programs.

Requirements for Admission

Students may be enrolled in the program upon permission of either the Adolescent, Career and Special Education department chair or the program coordinator.

Program Requirements

- Completed the following:
  - CTE631 - Advanced Instructional Planning Career and Technical Education (3)
  - CTE632 - Advanced Instructional Strategies in Career and Technical Education (3)
  - CTE633 - Advanced Classroom Assessment in Career and Technical Education (3)
  - CTE634 - Advanced Classroom Management in Career and Technical Education (3)

Grand Total Credits: **12**

Minimum Credential Hours

12

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

K. Parr

Career and Technical Education (MS: Master of Science)

Program Name

Career and Technical Education

Degree

MS: Master of Science

CIP Code

131319

Program Level

Graduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Accreditations

Kentucky Education Professional Standards Board

Description

The Master of Science in Career and Technical Education is appropriate for teachers concentrating in industrial education.

This degree may be used to become eligible for initial certification in career and technical education (grades 5-12) when combined with an appropriate technical bachelor's degree and/or other needed technical courses.

Admission Requirements for Initial Certification

To become eligible for initial certification in career and technical education (grades 5-12), students must

- hold an appropriate technical bachelor's degree and/or other needed technical courses;
- be employed by a school district in the area where certification is required;
- attend mandatory state training for certification;
- maintain a minimum graduate GPA of 3.0 as detailed in the *Academic Bulletin*; and
- have successful completion of program portfolio.

Graduation Requirements

Additional Requirements

Contact Teacher Education Services for details on admission to student teaching

Note: Teacher certification requires a bachelors degree with major or area in approved technical discipline; additional prerequisite courses may be required; students must successfully complete all required assessments and the internship program as identified in 704 KAR 20:305 and 704 KAR 10:690 respectively; additional requirements for admission to teacher education and student teaching must be met. See advisor for details.

Program Requirements

- Complete all of the following
  - Core Requirements:
  - Completed the following:
    - CTE600 - Seminar in Career and Technical Education (2)
    - CTE631 - Advanced Instructional Planning Career and Technical Education (3)
    - CTE632 - Advanced Instructional Strategies in Career and Technical Education (3)
    - CTE633 - Advanced Classroom Assessment in Career and Technical Education (3)
    - CTE634 - Advanced Classroom Management in Career and Technical Education (3)
    - CTE680 - Exit Seminar in Career and Technical Education (1)
  - Other Requirements:
  - Completed the following:
    - CTE665 - Program Planning and Evaluation (3)
    - CTE671 - Philosophy of Career and Technical Education (3)
    - CTE676 - Organization and Administration of Career and Technical Education (3)
    - CTE678 - Review of Professional Literature in Career and Technical Education (3)
    - SED605 - Characteristics and Needs of Children and Youth with Mild Disabilities (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

K. Parr

Career and Technical Education/Business and Marketing Education/5-12 Certification Track (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Career and Technical Education/Business and Marketing Education/5-12 Certification Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

131319

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Undergraduate Program Type

Area

Accreditations

Council for the Accreditation of Educator Preparation (CAEP); Kentucky Education Professional Standards Board

Graduation Requirements

Note: Certification requires a grade of *B* or better in one English composition course and a *B* or better in a University Studies math course, public speaking, and EDU 180. Additional requirements for admission to teacher education and student teaching must be met. See advisor and/or the Office of Teacher Education Services for details.

EDU 480 and SEC 420 must be taken two semesters before student teaching.

EDU 485 and SEC 422 must be taken one semester before student teaching.

Other Degree Requirement

Current First Aid and Safety Certification required for student teaching.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - ANT140 - Exploring World Cultures (3)
    - ECO230 - Macroeconomics (3)
    - ECO231 - Microeconomics (3)
    - MAT140 - College Algebra (4)
    - STA135 - Introduction to Probability and Statistics (4)
  - Earned a minimum grade of C in each of the following:
    - CSC199 - Introduction to Information Technology (3)

Grand Total Credits: **20**

Program Requirements

- Complete all of the following
  - Professional Education Courses:
  - Completed the following:
    - CTE210 - Overview of Career and Technical Education (3)
    - CTE310 - Discovering the Career and Technical Education Profession (3)
    - CTE320 - Career and Technical Education Practicum (1 - 4)
    - CTE410 - Effective Career and Technical Education Programs and Practices (3)
    - EDU100T - Transitions (1)
    - MID270 - Teaching and Learning in the Middle Grades (3)
    - SEC420 - Practicum in Secondary Schools (3)
    - SEC421 - Student Teaching in the Secondary School (7 - 14)
    - SEC422 - Extended Practicum (4)
  - Earned a minimum grade of B in each of the following:
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)
  - Support Courses:
  - Completed the following:
    - ACC200 - Principles of Financial Accounting (3)
    - ACC201 - Principles of Managerial Accounting (3)
    - BUS140 - Foundations of Business (3)
    - BUS215 - Business Communication (3)
    - CSC125 - Internet and Web Page Design (3)
    - FIN330 - Principles of Finance (3)
    - LST240 - The Legal Environment of Business (3)
    - MGT350 - Fundamentals of Management (3)
    - MKT285 - Emerging Technologies in Marketing (3)
    - MKT360 - Principles of Marketing (3)
    - MKT463 - Consumer Behavior (3)

Grand Total Credits: **73 - 83**

Minimum Credential Hours

120

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

K. Parr

Career and Technical Education/Engineering and Technology Education/5-12 Certification Track (BS: Bachelor of Science)

Program Name

Career and Technical Education/Engineering and Technology Education/5-12 Certification Track

Degree

BS: Bachelor of Science

CIP Code

131319

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Undergraduate Program Type

Area

Accreditations

Council for the Accreditation of Educator Preparation (CAEP); Kentucky Education Professional Standards Board

Graduation Requirements

Note: Certification requires a grade of *B* or better in one English composition course and a *B* or better in a University Studies math course, public speaking, and EDU 180. Additional requirements for admission to teacher education and student teaching must be met. See advisor and/or the Office of Teacher Education Services for details.

EDU 480 must be taken concurrently with SEC 420.

EDU 485 and SEC 422 must be taken one semester before student teaching.

Other Degree Requirement

Current First Aid and Safety Certification required for student teaching.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - MAT150 - Algebra and Trigonometry (5)
    - PHY130 - General Physics I (3)
    - PHY131 - General Physics I Laboratory (1)
  - Earned a minimum grade of C in each of the following:
    - CSC199 - Introduction to Information Technology (3)

Grand Total Credits: **12**

Program Requirements

- Complete all of the following
  - Professional Education Courses:
  - Completed the following:
    - CTE210 - Overview of Career and Technical Education (3)
    - CTE310 - Discovering the Career and Technical Education Profession (3)
    - CTE410 - Effective Career and Technical Education Programs and Practices (3)
    - EDU100T - Transitions (1)
    - MID270 - Teaching and Learning in the Middle Grades (3)
    - SEC420 - Practicum in Secondary Schools (3)
    - SEC421 - Student Teaching in the Secondary School (7 - 14)
    - SEC422 - Extended Practicum (4)
  - Earned a minimum grade of B in each of the following:
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)
  - Support Courses:
  - Completed the following:
    - CMA301 - Architectural Design Studio I (4)
    - CMA310 - Anatomy of Buildings (3)
    - EGD101 - Introduction to Design and Graphic Communications (4)
    - EGD104 - Computer Aided Design (4)
    - EGD130 - Manufacturing Processes and Materials (3)
    - EGD330 - Machine Tool Processes (4)
    - EMT110 - Electrical Systems I (4)
    - EMT201 - Mechanical Devices (3)
    - EMT261 - Introduction to Fluid Power Systems (3)
    - EMT262 - Introduction to Fluid Power Systems Laboratory (1)
  - Completed at least 2 of the following:
    - EMT210 - Electrical Systems II (4)
    - EMT305 - Electric Machinery and Controls (4)
    - EGD204 - Parametric Modeling and Rendering (4)

Grand Total Credits: **80 - 87**

Minimum Credential Hours

120

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

K. Parr

Career and Technical Education/Family and Consumer Sciences Education/5-12 Certification Track (BS: Bachelor of Science)

Program Name

Career and Technical Education/Family and Consumer Sciences Education/5-12 Certification Track

Degree

BS: Bachelor of Science

CIP Code

131319

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Undergraduate Program Type

Area

Accreditations

Council for the Accreditation of Educator Preparation (CAEP); Kentucky Education Professional Standards Board

Graduation Requirements

Note: Certification requires a grade of *B* or better in one English composition course and a *B* or better in a University Studies math course, public speaking, and EDU 180. Additional requirements for admission to teacher education and student teaching must be met. See advisor and/or the Office of Teacher Education Services for details.

EDU 480 and SEC 420 must be taken two semesters before student teaching.

EDU 485 and SEC 422 must be taken one semester before student teaching.

Other Degree Requirement

Current adult first aid and safety certification and food safety certification are both required for student teaching.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - BIO101 - Biological Concepts (4)
    - CHE101 - Consumer Chemistry (4)
    - GDS201 - Introduction to Gender and Diversity Studies (3)
    - MAT117 - Mathematical Concepts (3)
  - Earned a minimum grade of C in each of the following:
    - CSC199 - Introduction to Information Technology (3)

Grand Total Credits: **17**

Program Requirements

- Complete all of the following
  - Professional Education Courses:
  - Completed the following:
    - CTE210 - Overview of Career and Technical Education (3)
    - CTE310 - Discovering the Career and Technical Education Profession (3)
    - CTE410 - Effective Career and Technical Education Programs and Practices (3)
    - EDU100T - Transitions (1)
    - FCS359 - Methods of Teaching Family and Consumer Sciences (3)
    - MID270 - Teaching and Learning in the Middle Grades (3)
    - SEC420 - Practicum in Secondary Schools (3)
    - SEC421 - Student Teaching in the Secondary School (7 - 14)
    - SEC422 - Extended Practicum (4)
  - Earned a minimum grade of B in each of the following:
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)
  - Support Courses:
  - Completed the following:
    - EES305 - Introduction to Cartography (3)
    - FCS111 - The Family and Its Environment (3)
    - FCS241 - Family Economics (3)
    - FCS250 - Early Childhood Development (3)
    - FCS330 - Housing and the Family (3)
    - FCS342 - Consumer Decision Making (3)
    - FCS413 - Marriage and Family Relationships (3)
    - FCS442 - Family Resource Management (3)
    - FCS469 - Curriculum in Family and Consumer Sciences (3)
    - HEA201 - Introduction to Public and Community Health (3)
    - NTN230 - Nutrition (3)
    - NTN231 - Principles of Food Science and Preparation (4)
    - SWK371 - Biopsychosocial Aspects of Aging (3)

Grand Total Credits: **82 - 89**

Minimum Credential Hours

120

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

K. Parr

Career and Technical Education/Occupation-Based Option Rank 1 Program (BS: Bachelor of Science)

Program Name

Career and Technical Education/Occupation-Based Option Rank 1 Program

Degree

BS: Bachelor of Science

CIP Code

131319

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Undergraduate Program Type

Area

Accreditations

Council for the Accreditation of Educator Preparation (CAEP); Kentucky Education Professional Standards Board

Graduation Requirements

Other Degree Requirement

Current First Aid and Safety Certification required for student teaching.

Program Requirements

- Complete all of the following
  - Professional Education Courses:
  - Completed the following:
    - CSC199 - Introduction to Information Technology (3)
    - CTE331 - Instructional Planning in Career and Technical Education (3)
    - CTE332 - Instructional Strategy in Career and Technical Education (3)
    - CTE333 - Classroom Assessment in Career and Technical Education (3)
    - CTE334 - Classroom Management in Career and Technical Education (3)
    - CTE463 - Seminar in Student Teaching, Career and Technical Education (4)
    - CTE566 - Special Problems in Career and Technical Education (1 - 6)
    - CTE568 - Independent Study in Career and Technical Education (3 - 6)
    - SED300 - Educating Students with Disabilities (3)
  - Completed at least 35 credits from the following types of courses:
    Limited Technical Electives: Approved by advisor
  - Completed at least 15 credits from the following types of courses:
    Support Courses: Approved by advisor

Grand Total Credits: **76 - 84**

Minimum Credential Hours

120

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

K. Parr

Certification: Secondary School Teacher

Program Name

Secondary School Teacher (8-12)

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Accreditations

Council for the Accreditation of Educator Preparation (CAEP); Kentucky Education Professional Standards Board

Graduation Requirements

Note: Certification requires a grade of *B* or better in one English composition course and a *B* or better in a University Studies math course, public speaking, and EDU 180 or equivalent course. Additional requirements for admission to teacher education and student teaching must be met. See advisor and/or the Office of Teacher Education Services for details.

EDU 480 and SEC 420 must be taken concurrently two semesters before student teaching.

SEC 422 must be taken one semester before student teaching.

Notes:

1) Students in some teaching fields may be required to take a methods course in that discipline. Check with the content area advisor or consult with the department chair for specific information.

2) The Kentucky Educational Professional Standards Board has restrictions on the combinations of majors one may select for certification to teach in high school. Students should check with their education advisors to ensure their selections are certifiable by the state. Teachers may no longer use a minor to get additional certifications.

Program Requirements

- Complete all of the following
  - Earned a minimum grade of B in each of the following:
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)
  - Completed the following:
    - SEC420 - Practicum in Secondary Schools (3)
    - SEC421 - Student Teaching in the Secondary School (7 - 14)
    - SEC422 - Extended Practicum (4)
  - Area/Major/Minor/Unrestricted Electives: See individual programs for specific requirements

Grand Total Credits: **26 - 33**

Minimum Credential Hours

120

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

College Advising (CERT: Certificate)

Program Name

College Advising

Degree

CERT: Certificate

CIP Code

131102

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Graduate Certificate

Description

The Certificate in College Advising equips individuals with counseling-based advising skills and an organizational understanding for postsecondary education. Although the certificate program is open to individuals who meet the admissions criteria, ideal candidates are those who work or desire to work in the counseling or postsecondary education administration field, workforce development, or career centers.

Requirements for Admission

Students who hold an undergraduate degree, graduate degree, or those currently enrolled in a graduate program may apply for the Certificate in College Advising.

Applicants must comply with Murray State University requirements (see *Graduate Admissions*). Additional requirements for unconditional admission are as follows:

• application for admission to the Murray State University graduate school;

• application for admission to the College Advising Certificate program;

• a written statement of intent for admission into the Certificate for College Advising program; and

• a current resume. Conditional admission will be determined by the Coordinator of the Certificate in College Advising.

Graduation Requirements

Other Degree Requirements:

Students must complete the 12 credit-hour curricula and a culminating project to successfully complete the certificate program. Through the culminating project, students will integrate disparate concepts from each of the certificate courses in the form of a synthesized case study. In the culminating project, the student will craft a detailed story of a college student, develop a plan of action that reflects key concepts from the core curriculum, and identify an appropriate theory that would be used to guide a professional in working with the case study subject. Students will present the basis for their culminating project.

Program Requirements

- Completed the following:
  - CNS619 - Foundational Counseling Technique (3)
  - CNS686 - Career Counseling (3)
  - PSE616 - College Students in the United States (3)
  - PSE740 - Contemporary Issues in Postsecondary Education (3)

Grand Total Credits: **12**

Minimum Credential Hours

12

Program Contact Information

Program Coordinator: Ben Littlepage 3201 Alexander Hall

Default Advisor

B. Littlepage

Communication Disorders (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Communication Disorders

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

510204

Program Level

Undergraduate

Department

Center for Communication Disorders

College

College of Education and Human Services

Undergraduate Program Type

Area

Graduation Requirements

Specifically Required University Studies

Courses listed are a minimum requirement. Students may use higher-level courses as substitutions.

Requirements for Undergraduate Program Admission

Students may not enroll in 400-level CDI classes until they have been admitted to the undergraduate communication disorders program. To be admitted to the program, students must earn a *B* or better in CDI 275, have an overall grade point average of 3.00 or better, and have completed 40 semester hours. Once admitted to the program, the student must maintain an overall GPA of 3.00 and an area GPA of 3.00. Any student whose GPA falls below this minimum may not continue in the area until the GPA requirements are met.

Post-baccalaureate Admission

Students who have earned a bachelor's degree in another field may apply to take undergraduate prerequisite courses for Murray State University's Graduate Program in Speech-Language Pathology. The application process is competitive, as a limited number of postbac slots are available each year. The admission process is rolling, but students seeking to start in the fall should apply by May 15th.

Admission is based on a student's potential for successful completion of a graduate program in speech-language pathology. Students who complete MSU's post-baccalaureate program are not guaranteed admission into MSU's Graduate Program in Speech-Language Pathology. Post-baccalaureate application requirements include: a completed program application, an undergraduate GPA of 3.2 or greater, current GRE scores, and a personal statement.

Specifically Required University Studies

- Complete all of the following
  - Completed at least 1 of the following:
    - CHE101 - Consumer Chemistry (4)
    - PHY105 - The Science of Sound (4)
  - Completed the following:
    - PSY180 - General Psychology (3)
  - Completed at least 3 credits from the following types of courses:
    One human or animal biological science course

Grand Total Credits: **10**

Program Requirements

- Complete all of the following
  - Completed the following:
    - CDI100T - Transitions (1)
    - CDI275 - Foundations for Communication Disorders Professionals (3)
    - CDI310 - Anatomy and Physiology of the Speech Mechanism (3)
    - CDI315 - Speech and Acoustics of Speech (3)
    - CDI340 - Speech and Language Development (3)
    - CDI350 - Clinical Phonetics (3)
    - CDI405 - Hearing and Its Assessment (3)
    - CDI410 - Neuroscience for Communication Disorders (3)
    - CDI425 - Pediatric Speech Disorders (3)
    - CDI440 - Adult Neurogenic Communication Disorders (3)
    - CDI445 - Pediatric Language Disorders (3)
    - CDI451 - Introduction to Aural Rehabilitation (3)
    - CDI475 - Clinical Applications in Speech Disorders (3)
    - CDI476 - Clinical Applications in Language Disorders (3)
    - CNS319 - Professional Interpersonal Skills (3)
    - COM260 - Communication Ethics (3)
    - ENG310 - Introduction to English Linguistics (3)
    - HEA260 - Ethics of Healthcare Decision Making (3)

        - SED300 - Educating Students with Disabilities (3)
    - Required Support Courses:
    - Completed at least 1 of the following:
        - COM340 - Intercultural Communication (3)
        - COM345 - Diversity, Communication, and the Workplace (3)
    - Completed the following:
        - EDP260 - Psychology of Human Development (3)
    - Completed at least 1 of the following:
        - PSY300 - Principles and Methods of Statistical Analysis (3)
        - STA135 - Introduction to Probability and Statistics (4)
    - Choose one course from each group.
    - Aging-Related Elective:
    - Completed at least 1 of the following:
        - NLS306 - Aging in American Society (3)
        - PSY264 - Psychology of Aging (3)
        - PSY265 - Psychology of Death (3)
        - SWK305 - Services to Older Americans (3)
        - SWK371 - Biopsychosocial Aspects of Aging (3)
    - Health Care-Related Elective:
    - Completed at least 1 of the following:
        - HCA301 - Overview of the Health Care Delivery System (3)
        - HIA301 - Overview of Healthcare Delivery System (3)
        - HCA395 - Cultural Diversity for Health Care Organizations (3)
        - PSY265 - Psychology of Death (3)
        - PSY310 - Health Psychology (3)
        - SOC340 - Medical Sociology (3)
    - Multicultural Issues Elective:
    - Completed at least 1 of the following:
        - CDI301 - Exploration of Culture and Communication Disorders through International Travel (1 - 3)
        - HCA395 - Cultural Diversity for Health Care Organizations (3)
        - GDS201 - Introduction to Gender and Diversity Studies (3)
        - NLS207 - Diversity and Inclusion in a Global Society (3)
        - SOC337 - Social Inequality (3)
        - SOC343 - Race and Ethnicity (3)
        - SOC347 - Sociology of Mental Health and Illnesses (3)
    - One course offered through Study Abroad

Grand Total Credits: **71 - 74**

Minimum Credential Hours

120

Program Contact Information

Center for Communication Disorders 125 Alexander Hall (270) 809-2446

Default Advisor

S. Brown

Counseling (EDS: Specialist in Education)

Program Name

Counseling

Degree

EDS: Specialist in Education

CIP Code

131101

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Accreditations

Council for the Accreditation of Educator Preparation (CAEP)

Description

There are three concentrations for the EdS in Counseling: school counseling, clinical mental health counseling, and school psychology.

Students completing the EdS in School Counseling are eligible for rank change (Rank I). Students who have completed the 42-hour MAEd in School Counseling and who are interested in obtaining mental health licensure will need to complete the Clinical Mental Health Counseling concentration.

Note: Applicants holding a master's degree that is less than 42 hours or is from another institution will undergo a transcript evaluation and may be required to take additional coursework to ensure equivalence to the current degree requirements.

Requirements for Admission

Admission is not based on any single factor but on a combination of the applicant's academic record, work experience, potential for becoming an effective and ethical mental health professional and the match between the program training objectives and the applicant's professional goals.

Applicants must meet Murray State requirements listed in Graduate Admissions as well as submit:

• a MSU Graduate School application;

• an application to the counseling program. The program application may be obtained by contacting the Department of Educational Studies, Leadership and Counseling or through the department's website;

• a written statement of intent reflecting graduate-level writing ability;

• three letters of recommendation from people able to address the applicant's potential as a counseling professional;

• a current resume; and

• have an interview with the Counseling Program Admissions Committee.

Note: Admission to the program does not guarantee graduation, certification, or licensure. The following non-academic conditions may result in dismissal if they are observed to impair the student's ability to work in class, practicum, or internship settings: 1) personal concerns, 2) interpersonal relationship problems, 3) personal attitudes or values that conflict with effective counseling relationships, and 4) unethical behavior.

Conditional Admission

Conditional admission may be granted to applicants deficient in a single area as space permits. Exceptions will be made on a case-by-case basis. Students admitted conditionally must obtain a minimum grade of *B* in each of their first nine credit hours of program study to gain unconditional status.

Minimum Credential Hours

60

Program Contact Information

Counseling Program Program Coordinator: Samir Patel 3201 Alexander Hall

Default Advisor

S. Patel

Counseling (EDS: Specialist in Education) - Counseling/Clinical Mental Health Counseling Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Counseling (EDS: Specialist in Education) - Counseling/Clinical Mental Health Counseling Concentration

Degree

EDS: Specialist in Education

CIP Code

131101

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Accreditations

Council for the Accreditation of Educator Preparation (CAEP)

Description

The curriculum of the Clinical Mental Health Counseling concentration consists of 60 credit hours. Graduates of this program will be eligible to take the National Counselor Exam (NCE). In addition, graduates will also become eligible for the Licensed Professional Counselor Associate status (LPCA) in the state of Kentucky.

Graduation Requirements

Exit Criteria

Students must successfully complete the EdS Clinical Mental Health Counseling concentration courses with no more than two *C*'s or below, maintain a 3.0 GPA, pass the Conceptualization, Ethics and Skills, Assessment, complete an oral defense, and pass the exit exam.

A grade of *A* or *B* must be received in CNS 619 to continue in the program.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ADM630 - Methods of Research (3)
    - CNS618 - Issues in Mental Health Counseling (3)
    - CNS619 - Foundational Counseling Technique (3)
    - CNS624 - Theories of Counseling (3)
    - CNS625 - Legal and Ethical Issues (3)
    - CNS635 - Human Development (3)
    - CNS671 - Multicultural Counseling (3)
    - CNS676 - Clinical Diagnosis and Treatment Planning (3)
    - CNS686 - Career Counseling (3)
    - CNS692 - Group Counseling (3)
    - CNS694 - Advanced Counseling and Supervision (3)
    - CNS710 - Counsel Children and Adolescents (3)
    - CNS722 - Substance Use and Addictions Counseling (3)
    - CNS734 - Marriage, Couples, and Family Counseling (3)
    - CNS752 - Trauma and Crisis Counseling (3)
    - CNS790 - Practicum (3)
    - CNS794 - Internship I (3 - 6)
    - CNS795 - Internship II (3 - 6)
  - Completed at least 3 credits from the following types of courses: Approved Elective
  - Completed at least 1 of the following:
    - CNS746 - Wellness and Prevention Approaches (3)
    - CNS748 - Expressive Activities Counseling (3)
    - CNS760 - Eating Disorders and Body Image Counseling (3)

Grand Total Credits: **60 - 66**

Minimum Credential Hours

60

Specialization Contact Information

Counseling Program Program Coordinator: Samir Patel 3201 Alexander Hall

Default Advisor

S. Patel

Counseling (EDS: Specialist in Education) - Counseling/School Counseling Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Counseling (EDS: Specialist in Education) - Counseling/School Counseling Concentration

Degree

EDS: Specialist in Education

CIP Code

131101

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Accreditations

Council for the Accreditation of Educator Preparation (CAEP)

Description

Upon successful completion of the 42-hour Masters of Arts in Education in School Counseling program, students can complete an additional 12 credit hours to earn the Specialist in Education Degree (EdS) in School Counseling. Students who complete this program are eligible for a rank change (Rank I). Note: This is a non-mental health licensure concentration.

Graduation Requirements

Exit Criteria

Students must successfully complete the EdS School Counseling concentration courses with no more than two *C*'s or below within the Master's and EdS coursework and maintain a 3.0 GPA.

Specialization Requirements

- Complete all of the following
  - Completed at least 48 credits from the following types of courses:
    Hours transferred from MA in School Counseling
  - Completed the following:
    - CNS625 - Legal and Ethical Issues (3)
    - CNS694 - Advanced Counseling and Supervision (3)
    - CNS722 - Substance Use and Addictions Counseling (3)
    - CNS734 - Marriage, Couples, and Family Counseling (3)

Grand Total Credits: **60**

Minimum Credential Hours

60

Specialization Contact Information

Counseling Program Program Coorodinator: Samir Patel 3201 Alexander Hall

Default Advisor

S. Patel

Counseling (EDS: Specialist in Education) - Counseling/School Psychology Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Counseling (EDS: Specialist in Education) - Counseling/School Psychology Concentration

Degree

EDS: Specialist in Education

CIP Code

131101

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Accreditations

Council for the Accreditation of Educator Preparation (CAEP)

Description

The EdS in School Psychology concentration is a 60 credit hour program which leads to Standard Kentucky Certification in School Psychology and Rank I. Applicants should have a bachelor's degree in psychology, special education, or other mental health-related fields. Prerequisites: • Master's degree in a related field (e.g., counseling, psychology, communication disorders, or special education) from a regionally accredited institution; • three letters of recommendation; • a written goals statement; • personal interview; • GRE (V=146, Q=140; V+Q=286 minimum)

Graduation Requirements

Completing the requirements for Provisional Certification allows individuals to do an internship.

Candidates must take PRAXIS specialty area examination in school psychology and obtain a minimum score of 161 before provisional school psychology certification can be awarded.

A grade of *A* or *B* must be received in CNS 619 to continue in the program.

Candidate must have a valid provisional certification in school psychology before internship can be contracted.

Specialization Requirements

- Complete all of the following
  - Provisional Certification:
  - Completed the following:
    - ADM630 - Methods of Research (3)
    - ADM725 - Advanced Methods of Quantitative Research in Education (3)
    - CNS615 - Behavioral Assessment and Intervention (3)
    - CNS619 - Foundational Counseling Technique (3)
    - CNS620 - Learning Theories and Applications (3)
    - CNS635 - Human Development (3)
    - CNS671 - Multicultural Counseling (3)
    - CNS676 - Clinical Diagnosis and Treatment Planning (3)
    - CNS677 - Instructional Assessment and Intervention (3)
    - CNS683 - Tests and Measurements (3)
    - CNS687 - School-Based Consultation (3)
    - CNS688 - Professional School Psychology (3)
    - CNS689 - Individual Testing (3)
    - CNS690 - Advanced Individual Testing (3)
    - CNS692 - Group Counseling (3)
    - CNS790 - Practicum (3)
    - CNS798 - Specialty Study (3)
    - SED603 - Special Education Law and Procedures (3)
  - Standard Certification:
  - Earned at least 6 credits from the following:
    - CNS794 - Internship I (3 - 6)
    - CNS795 - Internship II (3 - 6)

Grand Total Credits: **60**

Minimum Credential Hours

60

Specialization Contact Information

Counseling Program Program Coordinator: Samir Patel 3201 Alexander Hall

Default Advisor

S. Patel

Criminal Justice (Minor)

Program Name

Criminal Justice

Degree

Minor

Program Level

Undergraduate

Department

Community Leadership and Human Services

College

College of Education and Human Services

Undergraduate Program Type

Minor

Graduation Requirements

Twelve hours must be from upper-level courses.

Only three hours are allowed from CRJ 305, 488, or 489.

Students can only apply courses in which they earned a minimum grade of *C* toward the minor.

Students are expected to take the necessary prerequisites listed under CRJ course descriptions.

No substitutions and/or alterations in the above curriculum shall be made without written approval of the criminal justice program director.

All required upper-level courses and hours must be completed at the upper-level at Murray State or at another 4-year institution.

CRJ 300 is not the same as the MSU course SOC 338. CRJ 300 cannot be substituted with any course from another institution if it was called "Criminology" and/or offered as a sociology course.

Program Requirements

- Complete all of the following
  - Completed the following:
    - CRJ140 - Introduction to Criminal Justice (3)
    - CRJ300 - Crime and Criminals (3)
  - Completed at least 2 of the following:
    - CRJ220 - Law Enforcement (3)
    - CRJ240 - Corrections (3)
    - CRJ320 - Juvenile Justice (3)
    - CRJ355 - Security in Business and Industry (3)
  - Earned at least 9 credits from CRJ

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Community Leadership and Human Services 108 Carr Health Building (270) 809-6802

Default Advisor

Dept Chair

Criminal Justice (area) (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Criminal Justice (area)

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

430104

Program Level

Undergraduate

Department

Community Leadership and Human Services

College

College of Education and Human Services

Undergraduate Program Type

Area

Description

The criminal justice program offers students a broad-based overview of the criminal justice system and its components as well as the opportunity to focus in an area of the student's interest by taking specific elective courses. Criminal justice graduates are prepared for a variety of professional careers as well as criminal justice graduate study or law school.

This program leads to a Bachelor of Arts or a Bachelor of Science in criminal justice. The University Studies component provides the necessary liberal arts education, while the criminal justice area or major further develops the individual student's oral, written, analytical, leadership, and problem-solving skills. Internship experiences in a variety of agencies are available during the junior and senior years and are an excellent way to find employment in federal or state agencies.

The faculty encourages all students to be actively involved in student organizations, which provide opportunities for students to network with criminal justice practitioners and gain valuable leadership experiences. Available is a criminal justice student organization, the Criminal Justice Society.

Students should declare criminal justice as their intended area, major, or minor as early as possible so that they can be properly advised.

Note to Auditors: Students who desire to take a CRJ course without a grade (for no credit) may do so if such an audit is approved by the course professor in writing by the last day to add a course. If a student is having trouble with a course and is expecting to fail the course, it should be dropped before the drop or withdrawal deadline to secure a *W* grade. If a student changes from normal grade to audit after the first week of class, all course work must still be completed and full attendance is expected. The audit will turn into an *E* (failing final grade) if the student receives less than a *D* as the final grade.

Graduation Requirements

To graduate with a criminal justice area, major, or minor, all students must earn a minimum grade of *C* in all CRJ courses counting towards the area, major, or minor, including CRJ electives needed to graduate.

No substitutions and/or alternations in the above curriculum shall be made without the recommendation of a criminal justice advisor and the written approval of a criminal justice program director in accordance with criminal justice program policies.

Students may receive credit for another statistics course of at least three credit hours and equivalent or higher level of course content, such as PSY 300; STA 125 will not suffice. Discretion of equivalency is left to CRJ academic advisor or CRJ program director.

All required upper-level courses must be completed at Murray State as listed or at another 4-year institution at the upper-level.

CRJ 300 is **not** the same as the MSU course SOC 338. CRJ 300 cannot be substituted with any course from another institution if it was called "Criminology" and/or offered as a sociology course.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - COM161 - Introduction to Public Speaking (3)
    - CSC199 - Introduction to Information Technology (3)
    - POL140 - American National Government (3)
    - PSY180 - General Psychology (3)
    - STA135 - Introduction to Probability and Statistics (4)
  - Completed at least 1 of the following:
    - SOC133 - Introduction to Sociology (3)
    - SOC231 - Social Problems (3)

Grand Total Credits: **19**

Program Requirements

- Complete all of the following
  - Completed the following:
    - CRJ100T - Transitions (1)
    - CRJ140 - Introduction to Criminal Justice (3)
    - CRJ220 - Law Enforcement (3)
    - CRJ240 - Corrections (3)
    - CRJ300 - Crime and Criminals (3)
    - CRJ400 - Applied Criminal Justice Research (3)
    - CRJ499 - Senior Seminar in Criminal Justice (1)
  - Completed at least 4 of the following:
    - CRJ305 - Internship (3)
    - CRJ320 - Juvenile Justice (3)
    - CRJ325 - Criminal Justice Ethics (3)
    - CRJ355 - Security in Business and Industry (3)
    - CRJ385 - Violent Crime (3)
    - CRJ442 - Probation and Parole: Community Corrections (3)
    - CRJ445 - Criminal Justice Diversity (3)
    - CRJ455 - Police and Community Relations (3)
    - CRJ470 - Institutional Corrections (3)
    - CRJ544 - Constitutional and Legal Issues in Criminal Justice (3)
    - CRJ573 - Victimology (3)

- Completed at least 1 of the following:
  - ENG204 - Advanced Expository Writing (3)
  - ENG205 - Writing for the Social Sciences (3)
  - ENG224 - Writing in the Professions (3)
  - ENG324 - Technical Writing (3)
- Required 300-level and above CRJ Electives: Note: Only six hours of credit toward the area may be received from CRJ 305, 488, or 489. CRJ 488 may be repeated as long as the topic differs.
- Earned at least 15 credits from CRJ 300 - 599
- Collateral/Support Courses:
- Business:
- Completed at least 1 of the following:
  - ACC200 - Principles of Financial Accounting (3)
  - BUS140 - Foundations of Business (3)
  - BUS215 - Business Communication (3)
  - ECO140 - Contemporary Economics (3)
  - ECO190 - Consumer Economics (3)
  - ECO200 - Economics and Politics (3)
  - FIN230 - Personal Financial Planning (3)
  - MGT350 - Fundamentals of Management (3)
  - MKT360 - Principles of Marketing (3)
- Critical Thinking, Computers and Technology:
- Completed at least 1 of the following:
  - COM261 - Debate and Advocacy (3)
  - COM367 - Communication and Critical Thought (3)
  - COM422 - Communication and Technology (3)
  - CSC101 - Introduction to Problem Solving Using Computers (3)
  - CSC125 - Internet and Web Page Design (3)
  - EGR140 - Introduction to Computing Applications in Science and Engineering (3)
  - ENG226 - Argument and Discourse (3)
  - MKT285 - Emerging Technologies in Marketing (3)
  - NLS410 - Technology Skills for Community Organizations (3)
  - PHI103 - Critical Thinking (3)
  - PHI203 - Symbolic Logic (3)
  - PSY327 - Problem-Solving and Decision-Making (3)
  - CNM132 - Network Technical Support (3)
- Communications:
- Completed at least 1 of the following:
  - COM131 - Introduction to Interpersonal Communication (3)
  - COM331 - Interpersonal Communication (3)
  - COM353 - Team Communication and Leadership (3)
  - COM361 - Career Presentation (3)
  - COM380 - Organizational Communication (3)
  - COM384 - Communication Skills for Professionals (3)
  - COM439 - Conflict and Communication (3)
  - COM461 - Persuasive Communication (3)
- Psychology:
- Completed at least 1 of the following:
  - PSY245 - Law and Psychology (3)
  - PSY307 - Abnormal Psychology (3)
  - PSY322 - Motivation and Emotion (3)
  - PSY325 - Introduction to Clinical Psychology (3)
  - PSY404 - Drugs, Alcohol and Behavior (3)
  - PSY405 - Industrial and Organizational Psychology (3)
  - PSY406 - Personality (3)
  - PSY471 - Behavior Modification (3)
- Career-Focused Electives:
- Completed at least 12 credits from the following types of courses:
  Career-Focused Electives

Grand Total Credits: **71**

Minimum Credential Hours

120

Program Contact Information

Department of Community Leadership and Human Services 108 Carr Health Building (270) 809-6802

Default Advisor

P. Lucko

Criminal Justice (major) (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Criminal Justice (major)

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

430104

Program Level

Undergraduate

Department

Community Leadership and Human Services

College

College of Education and Human Services

Undergraduate Program Type

Major

Description

The criminal justice program offers students a broad-based overview of the criminal justice system and its components as well as the opportunity to focus in an area of the student's interest by taking specific elective courses. Criminal justice graduates are prepared for a variety of professional careers as well as criminal justice graduate study or law school.

This program leads to a Bachelor of Arts or a Bachelor of Science in criminal justice. The University Studies component provides the necessary liberal arts education, while the criminal justice area or major further develops the individual student's oral, written, analytical, leadership, and problem-solving skills. Internship experiences in a variety of agencies are available during the junior and senior years and are an excellent way to find employment in federal or state agencies.

The faculty encourages all students to be actively involved in student organizations, which provide opportunities for students to network with criminal justice practitioners and gain valuable leadership experiences. Available is a criminal justice student organization, the Criminal Justice Society.

Students should declare criminal justice as their intended area, major, or minor as early as possible so that they can be properly advised.

Note to Auditors: Students who desire to take a CRJ course without a grade (for no credit) may do so if such an audit is approved by the course professor in writing by the last day to add a course. If a student is having trouble with a course and is expecting to fail the course, it should be dropped before the drop or withdrawal deadline to secure a *W* grade. If a student changes from normal grade to audit after the first week of class, all course work must still be completed and full attendance is expected. The audit will turn into an *E* (failing final grade) if the student receives less than a *D* as the final grade.

Graduation Requirements

To graduate with a criminal justice area, major, or minor, all students must earn a minimum grade of *C* in all CRJ courses counting towards the area, major, or minor, including CRJ electives needed to graduate.

No substitutions and/or alternations in the above curriculum shall be made without the recommendation of a criminal justice advisor and the written approval of a criminal justice program director in accordance with criminal justice program policies.

Students may receive credit for another statistics course of at least three credit hours and equivalent or higher level of course content, such as PSY 300; STA 125 will not suffice. Discretion of equivalency is left to CRJ academic advisor or CRJ program director.

All required upper-level courses must be completed at Murray State as listed or at another 4-year institution at the upper-level.

CRJ 300 is **not** the same as the MSU course SOC 338. CRJ 300 cannot be substituted with any course from another institution if it was called "Criminology" and/or offered as a sociology course.

A second major can replace the required minor.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - COM161 - Introduction to Public Speaking (3)
    - CSC199 - Introduction to Information Technology (3)
    - POL140 - American National Government (3)
    - PSY180 - General Psychology (3)
    - STA135 - Introduction to Probability and Statistics (4)
  - Completed at least 1 of the following:
    - SOC133 - Introduction to Sociology (3)
    - SOC231 - Social Problems (3)

Grand Total Credits: **19**

Program Requirements

- Complete all of the following
  - Completed the following:
    - CRJ100T - Transitions (1)
    - CRJ140 - Introduction to Criminal Justice (3)
    - CRJ220 - Law Enforcement (3)
    - CRJ240 - Corrections (3)
    - CRJ300 - Crime and Criminals (3)
    - CRJ400 - Applied Criminal Justice Research (3)
    - CRJ499 - Senior Seminar in Criminal Justice (1)
  - Completed at least 2 of the following:
    - CRJ320 - Juvenile Justice (3)
    - CRJ325 - Criminal Justice Ethics (3)
    - CRJ385 - Violent Crime (3)
    - CRJ445 - Criminal Justice Diversity (3)
    - CRJ544 - Constitutional and Legal Issues in Criminal Justice (3)
  - Completed at least 1 of the following:
    - ENG204 - Advanced Expository Writing (3)
    - ENG205 - Writing for the Social Sciences (3)
    - ENG224 - Writing in the Professions (3)
    - ENG324 - Technical Writing (3)
  - Required 300-level and above CRJ Electives: Note: Only six hours of credit toward the area may be received from CRJ 305, 488, or 489. CRJ 488 may be repeated as long as the topic differs.
  - Earned at least 12 credits from CRJ 300 - 599
  - Career-Focused Electives:
  - Completed at least 15 credits from the following types of courses:
    Career-Focused Electives
  - Completed at least 21 credits from the following types of courses:
    Required Minor

Grand Total Credits: **74**

Minimum Credential Hours

120

Program Contact Information

Department of Community Leadership and Human Services 108 Carr Health Building (270) 809-6802

Default Advisor

P. Lucko

Education Administration (MAED: Master of Arts in Education)

Program Name

Education Administration

Degree

MAED: Master of Arts in Education

CIP Code

130499

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Accreditations

Kentucky Education Professional Standards Board

Description

The Master of Arts in Education Administration is designed for individuals seeking initial professional certification for Kentucky Instructional Leadership-School Principal (Level 1), and/or certification as a Career and Technical Education principal. This degree is required for admission to other Kentucky Professional Administrative Certificate programs. Coursework is aligned with the Professional Standards for Educational Leaders (PSEL). Admission to the program is selective and collaborative. Pursuant to 16 KAR 3:050, Murray State University and partner school districts collaborate to coselect candidates, co-design program experiences, and coordinate resources to support candidate field-experience. Applicants must be affiliated with a partner school district through employment or through a Statement of Sponsorship.

Admission Requirements

• an earned master’s degree from a regionally accredited college or university preferred. Applicants with a strong recommendation from the school district may be admitted with a bachelor’s degree from a regionally accredited institution;

• documented affiliation with a partner school district;

• a minimum of three (3) years of teaching experience at time of application; and

• a valid Kentucky Teaching Certificate or an approved waiver of Kentucky certification.

Procedures for Admission

Applicants should contact the Department of Educational Studies, Leadership and Counseling to obtain a schedule of cohorts, application deadline dates, and a departmental application. All application materials must be submitted by the advertised deadline for consideration for the cohort. These materials include:

• completed departmental and university graduate applications;

• current professional resume reflecting leadership experiences;

• requested letters of reference and completed rating sheets; and

• requested essays.

Application materials will be screened and interviews scheduled.

Career and Technical Education Principal Concentration
Requirements for Admission
Applicants must have a bachelor’s degree, minimum of three (3) years of teaching experience in a career and technical education setting at time of application, and a valid Kentucky Teaching Certificate in a CTE area.

NOTE: If additionally pursuing Instructional Leadership - School Principal Level 1 certification, the preferred applicant will have earned a master’s degree, but applicants with a bachelor’s degree from a regionally-accredited institution may be admitted with a strong school recommendation.

Procedures for Admission
Applicants should contact the Department of Educational Studies, Leadership and Counseling to obtain a schedule of cohorts, application deadline dates, and a departmental application. All application materials must be submitted by the advertised deadline for consideration for the cohort.

These materials include:
• completed departmental and university graduate applications;
• current professional resume reflecting leadership experiences

Certification may be recommended at 24 hours after completion of the designated courses.

Graduation Requirements

Thirty credit hours are required for the degree. If candidates are admitted with a prior master's degree, Level 1 Principal coursework requirements may be met at 24 credit hours. Remaining electives may focus on Level 2 Principal plus other endorsements. If candidates are admitted with a bachelor's degree, Level 1 Principal coursework requirements are met at the completion of the degree.

Certification Procedures

For certification as Instructional Leadership-School Principal Level 1, the candidate must show proof of either (1) an earned master's degree, the completion of the exit criteria, and a passing score on the School Leader Licensure Assessment (6990) or (2) an earned Master of Arts in Education: Education Administration and a passing score on the School Leader Licensure Assessment (#6990). With chair approval, a program may be developed only for certification and rank change purposes.

NOTE: Candidates in the previous catalog may elect to take the original School Leader Licensure Assessment (#6011) but would also take the Kentucky Principal Test of Administrative Practices (#6015).

Within five years of receipt of the Level 1 certificate, the program for Level 2 must be completed.

Certification Procedures for CTE

For certification as a Career and Technical Education Principal, the candidate must show proof of completion of the 24 hours and a passing score on the School Leader Licensure Assessment (#6990). Candidates pursuing School Principal Level 1 should consult the notes above and should also complete ADM 631. With chair approval, a program may be developed for certification or rank change only

Exit Criteria

Verification of internship and field experience hours. Successful defense of capstone project.

Must have at least a 3.00 cumulative GPA.

Program Requirements

- Complete 1 of the following
  - Complete all of the following
    - Completed the following:
      - ADM601 - School Leadership, Culture, and Community (3)
      - ADM611 - Instructional Leadership and Coaching (3)
      - ADM631 - Organization and Operation of Schools (3)
      - ADM671 - Principal Internship I (3)
      - ADM672 - Legal and Ethical Issues in Schools (3)
      - ADM676 - Principal Internship II (3)
      - ADM681 - Instructional Leadership for Diverse Learners (3)
      - ADM682 - Principal Internship III (3)
    - Completed at least 6 credits from the following types of courses: Advisor Approved Electives
  - Complete all of the following
    - Level II Principal Certification:
    - Completed the following:
      - ADM669 - Seminar in School Administration (3)
    - Completed at least 3 credits from the following types of courses: Advisor Approved Elective: Based upon candidate needs
  - Complete all of the following
    - Career and Technical Education Principal Concentration:
    - Completed the following:
      - ADM601 - School Leadership, Culture, and Community (3)
      - ADM611 - Instructional Leadership and Coaching (3)
      - ADM671 - Principal Internship I (3)
      - ADM672 - Legal and Ethical Issues in Schools (3)
      - ADM681 - Instructional Leadership for Diverse Learners (3)
      - ADM682 - Principal Internship III (3)
      - CTE672 - Managing CTE Learning Facilities (3)
      - CTE676 - Organization and Administration of Career and Technical Education (3)
    - Completed at least 6 credits from the following types of courses: Advisor Approved CTE Electives

Grand Total Credits: **6 - 30**

Minimum Credential Hours

30

Program Contact Information

Program Coordinator: Richard Dodson 3201 Alexander Hall

Default Advisor

R. Lyons

Education Administration (EDS: Specialist in Education)

Program Name

Education Administration

Degree

EDS: Specialist in Education

CIP Code

130499

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Accreditations

Council for the Accreditation of Educator Preparation (CAEP)

Description

This specialist degree is designed for individuals pursuing district-level certification in K-12 education. This is a 21-hour program in addition to a 30-hour MAEd in Education Administration degree. Upon completion of the 30-hour education master's degree, the student may reapply to the Education Administration Specialist program and complete the remaining 21 hours.

Note: total program hours must equal or exceed 660 hours beyond the bachelor's degree. Additional advisor-approved elective(s) may be required with chair approval, curriculum may be used for only certification or rank change.

Admission Requirements

Admission requirements are as follows:

- earned MAEd in Education Administration degree;
- a valid Kentucky Teaching Certificate; and
- a minimum of five (5) years of experience as a professional educator at the time of application.

Graduation Requirements

Exit Criteria

Verification of field experiences.

Successful defense of specialty study or capstone project.

Field experiences are required for ADM 667 and 677.

Capstone project is embedded in the final course (ADM 779)

Students not admitted to the superintendent program must take ADM 798.

Program Requirements

- Complete all of the following
  - Completed at least 1 of the following:
    - ADM667 - Pupil Personnel Accounting (3)
    - SED650 - Administration of Special Education Programs (3)
  - Completed the following:
    - ADM669 - Seminar in School Administration (3)
    - ADM677 - Crisis Management in Educational Settings (3)
    - ADM739 - Roles and Responsibilities of the School Superintendent (3)
    - ADM749 - School District Management (3)
    - ADM759 - Instructional Planning in Education (3)
  - Completed at least 1 of the following:
    - ADM779 - Superintendency Capstone (1 - 3)
    - ADM798 - Specialty Study (3)
  - Completed at least 9 credits from the following types of courses:
    Advisor-approved electives needed to reach 60 hours beyond a bachelor's degree (0-9)

Grand Total Credits: **28 - 30**

Minimum Credential Hours

30

Program Contact Information

Program Coordinator: Richard Dodson 3201 Alexander Hall

Default Advisor

R. Lyons

Elementary Education (BS: Bachelor of Science)

Program Name

Elementary Education

Degree

BS: Bachelor of Science

CIP Code

131202

Program Level

Undergraduate

Department

Early Childhood and Elementary Education

College

College of Education and Human Services

Undergraduate Program Type

Area

Accreditations

Council for the Accreditation of Educator Preparation (CAEP); Kentucky Education Professional Standards Board

Description

The elementary education program prepares students to teach in elementary schools, kindergarten through fifth grade. Students are certified to teach all regular content areas to K-5 children. The four-year preparation program includes courses in University Studies, professional education, and elementary teaching methods. Students interact with children in local schools during the professional education courses taken each year of the program.

Graduation Requirements

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, and a public speaking course. Additional requirements for admission to teacher education and student teaching must be met.

Another course may not be substituted for EDU 100T.

Admission to Teacher Education required. Students shall not enroll in any educator preparation courses restricted to admitted candidates. (16 KAR 5:050)

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - BIO101 - Biological Concepts (4)
    - EES110 - World Geography (3)
    - MAT140 - College Algebra (4)
  - Completed at least 1 courses from:
    - AST
    - CHE
    - EES
    - PHY

Grand Total Credits: **11**

Program Requirements

- Complete all of the following
  - Professional Education:
  - Completed the following:
    - EDU100T - Transitions (1)
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU222 - Instructional Technology (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)
    - ELE421 - Student Teaching Elementary P-5, IECE (7 - 14)
  - Elementary Education Courses:
  - Completed the following:
    - ELE310 - Classroom Environment and Student Engagement for Elementary (3)
    - ELE390 - Introduction to Kindergarten (3)
    - ELE411 - Elementary Social Studies Methods (3)
    - ELE413 - Elementary Science Methods (3)
    - ELE414 - Teaching Elementary Mathematics in Grades K-2 (3)
    - ELE415 - Teaching and Learning Math in Elementary School (Grades 3-5) (3)
    - ELE481 - Clinical Experience for Elementary School Teachers I (0 - 1)
    - ELE486 - Clinical Experience for Elementary School Teachers II (0 - 2)
    - REA404 - Teaching Elementary Language Arts (3)
    - REA405 - Children's Literature for Early and Developing Readers (3)
    - REA406 - Literacy Development in Elementary School (3)
    - REA412 - Assessment and Strategies for Struggling Readers (3)
  - Related Education Courses:
  - Completed the following:
    - ART343 - Materials and Techniques for the Classroom (3)
    - ELE311 - Health, Wellness and Movement (3)
    - MAT115 - Mathematics for Middle and Elementary Teachers (3)
    - MAT215 - Mathematics for Middle and Elementary Teachers II (3)
    - MUS246 - Music for Elementary Teachers (3)
  - Completed at least 3 credits from the following types of courses:
    Advisor Approved Elective: Each student must complete an advisor-approved university studies elective. This course should not replicate those taken to meet University Studies requirements.

Grand Total Credits: **71 - 81**

Minimum Credential Hours

120

Program Contact Information

Department of Early Childhood and Elementary Education 3201 Alexander Hall (270) 809-2500

Default Advisor

L. Patterson

Elementary Education (BA: Bachelor of Arts)

Program Name

Elementary Education

Degree

BA: Bachelor of Arts

CIP Code

131202

Program Level

Undergraduate

Department

Early Childhood and Elementary Education

College

College of Education and Human Services

Undergraduate Program Type

Area

Accreditations

Council for the Accreditation of Educator Preparation (CAEP); Kentucky Education Professional Standards Board

Description

The elementary education program prepares students to teach in elementary schools, kindergarten through fifth grade. Students are certified to teach all regular content areas to K-5 children. The four-year preparation program includes courses in University Studies, professional education, and elementary teaching methods. Students interact with children in local schools during the professional education courses taken each year of the program.

Graduation Requirements

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, and a public speaking course. Additional requirements for admission to teacher education and student teaching must be met.

Another course may not be substituted for EDU100T.

Admission to Teacher Education required. Students shall not enroll in any educator preparation courses restricted to admitted candidates. (16 KARS:020)

Specifically Required University Studies

- Completed the following:
  - BIO101 - Biological Concepts (4)
  - EES110 - World Geography (3)
  - MAT140 - College Algebra (4)

Grand Total Credits: **11**

Program Requirements

- Complete all of the following
  - Professional Education:
  - Completed the following:
    - EDU100T - Transitions (1)
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU222 - Instructional Technology (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)
    - ELE421 - Student Teaching Elementary P-5, IECE (7 - 14)
  - Elementary Education Courses:
  - Completed the following:
    - ELE310 - Classroom Environment and Student Engagement for Elementary (3)
    - ELE390 - Introduction to Kindergarten (3)
    - ELE411 - Elementary Social Studies Methods (3)
    - ELE413 - Elementary Science Methods (3)
    - ELE414 - Teaching Elementary Mathematics in Grades K-2 (3)
    - ELE415 - Teaching and Learning Math in Elementary School (Grades 3-5) (3)
    - ELE481 - Clinical Experience for Elementary School Teachers I (0 - 1)
    - ELE486 - Clinical Experience for Elementary School Teachers II (0 - 2)
    - REA404 - Teaching Elementary Language Arts (3)
    - REA405 - Children's Literature for Early and Developing Readers (3)
    - REA406 - Literacy Development in Elementary School (3)
    - REA412 - Assessment and Strategies for Struggling Readers (3)
  - Related Education Courses:
  - Completed the following:
    - ART343 - Materials and Techniques for the Classroom (3)
    - ELE311 - Health, Wellness and Movement (3)
    - MAT115 - Mathematics for Middle and Elementary Teachers (3)
    - MAT215 - Mathematics for Middle and Elementary Teachers II (3)
    - MUS246 - Music for Elementary Teachers (3)

Grand Total Credits: **68 - 78**

Minimum Credential Hours

120

Program Contact Information

Department of Early Childhood and Elementary Education 3201 Alexander Hall (270) 809-2500

Default Advisor

L. Patterson

Family and Consumer Studies (Minor)

Program Name

Family and Consumer Studies

Degree

Minor

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Completed at least 21 credits from the following types of courses:
  Credits from family and consumer studies courses in consultation with a faculty advisor in the area of interest.

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

Dept Chair

General Special Education (Minor)

Program Name

General Special Education

Degree

Minor

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Undergraduate Program Type

Minor

Description

Non-teaching minor. Minors are individualized. Please see your advisor.

Graduation Requirements

Six hours must come from upper-level courses.

Program Requirements

- Completed at least 21 credits from the following types of courses:
  Advisor approved courses

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

Dept Chair

Health and Physical Education (Minor)

Program Name

Health and Physical Education

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Students may not take courses that require admission to Teacher Education.

Program Requirements

- Complete all of the following
  - Completed the following:
    - HPE175 - Foundations of Health and Physical Education (3)
    - PHE205 - Lifetime Activities (3)
    - PHE206 - Team Sports (3)
    - PHE310 - Fundamentals of Athletic Coaching (2)
    - PHE375 - Movement Analysis for Physical Education (4)
    - PHE405 - Physiology of Exercise and Fitness (3)
  - Complete 1 of the following
    - Earned at least 3 credits from HPE 300 - 599
    - Earned at least 3 credits from PHE 300 - 599

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

Dept Chair

Health and Physical Education/P-12 Certification Track (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Health and Physical Education/P-12 Certification Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

131307

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Undergraduate Program Type

Area

Accreditations

Council for the Accreditation of Educator Preparation (CAEP); Kentucky Education Professional Standards Board

Graduation Requirements

Certification requires a minimum grade of B in the following: one English composition course, one University Studies math course, and a public speaking course. Additional requirements for admission to teacher education and student teaching must be met. Students should see their academic advisor or the Office of Teacher Education Services for details.

Another course may not be substituted for EDU 100T.

EDU 480 and SEC 420 must be taken two semesters before student teaching.

EDU 485 must be taken one semester before student teaching.

Specifically Required University Studies

- Completed the following:
  - BIO101 - Biological Concepts (4)

Grand Total Credits: **4**

Program Requirements

- Complete all of the following
  - Completed the following:
    - HPE175 - Foundations of Health and Physical Education (3)
    - HPE360 - Teaching Strategies in Sex Education (3)
    - HPE370 - Teaching Substance Abuse Education (3)
    - HPE450 - Teaching Strategies in Health Education (3)
    - NTN230 - Nutrition (3)
    - PHE200 - Health Implications for HPE Professionals (3)
    - PHE205 - Lifetime Activities (3)
    - PHE206 - Team Sports (3)
    - PHE306 - Dance and Gymnastics (3)
    - PHE330 - Movement Concepts and Skill Themes (3)
    - PHE375 - Movement Analysis for Physical Education (4)
    - PHE400 - Teaching Physical Education in the Elementary Schools (3)
    - PHE405 - Physiology of Exercise and Fitness (3)
    - PHE459 - Teaching Adolescent Physical Education (3)
    - SOC436 - Sociology of Sport (3)
  - Required for Teacher Certification
  - Earned a minimum grade of B in each of the following:
    - CSC199 - Introduction to Information Technology (3)
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
  - Completed the following:
    - EDU100T - Transitions (1)
    - EDU485 - Professional Perspectives for Teaching (1)
    - ELE421 - Student Teaching Elementary P-5, IECE (7 - 14)
    - SEC420 - Practicum in Secondary Schools (3)
    - SEC421 - Student Teaching in the Secondary School (7 - 14)
    - SEC422 - Extended Practicum (4)

Grand Total Credits: **83 - 97**

Minimum Credential Hours

120

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

R. Sims

Health and Physical Education/P-12 Certification Track (BA/BS: Bachelor of Arts or Bachelor of Science) - Health and Physical Education/Non-Certification Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Health and Physical Education/P-12 Certification Track (BA/BS: Bachelor of Arts or Bachelor of Science) - Health and Physical Education/Non-Certification Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

131307

Specialization Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Specialization Type

Area

Graduation Requirements

Another course may not be substituted for EDU100T.

Specifically Required University Studies

- Completed the following:
  - BIO101 - Biological Concepts (4)
  - NLS290 - Community Engagement and the Nonprofit Sector (3)
  - EDP260 - Psychology of Human Development (3)

Grand Total Credits: **10**

Specialization Requirements

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - HPE175 - Foundations of Health and Physical Education (3)
  - Completed the following:
    - HPE360 - Teaching Strategies in Sex Education (3)
    - HPE370 - Teaching Substance Abuse Education (3)
    - HPE450 - Teaching Strategies in Health Education (3)
    - NTN230 - Nutrition (3)
    - PHE200 - Health Implications for HPE Professionals (3)
    - PHE205 - Lifetime Activities (3)
    - PHE206 - Team Sports (3)
    - PHE306 - Dance and Gymnastics (3)
    - PHE330 - Movement Concepts and Skill Themes (3)
    - PHE375 - Movement Analysis for Physical Education (4)
    - PHE400 - Teaching Physical Education in the Elementary Schools (3)
    - PHE405 - Physiology of Exercise and Fitness (3)
    - PHE459 - Teaching Adolescent Physical Education (3)
    - SOC436 - Sociology of Sport (3)
  - Non-Certification Track
  - Completed the following:
    - EDU100T - Transitions (1)
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU330 - Teaching Strategies for Non-Certification Majors (4)
    - EDU490 - Internship I (5)
    - EDU491 - Internship II (5)
    - GUI100 - Self-Development and Career Exploration (1 - 3)
    - HPE409 - Evaluation and Assessment in Health and Physical Education (3)
    - PHE304 - Adapted Physical Education (3)
    - PHE310 - Fundamentals of Athletic Coaching (2)
    - PHE475 - Policy and Professional Practice in Athletic Settings (3)
  - Completed at least 1 of the following:
    - SOC231 - Social Problems (3)
    - SOC331 - The Family (3)
    - SOC332 - Sociology of Childhood (3)
  - Restricted Electives
  - Completed at least 2 of the following:
    - PHE285 - Football and Basketball Officiating (2)
    - PHE312 - Coaching Football I (2)
    - PHE314 - Coaching Basketball I (2)
    - PHE316 - Coaching Baseball I (2)
    - PHE318 - Coaching Track and Field I (2)
    - PHE319 - Coaching Soccer (2)

Grand Total Credits: **83 - 85**

Minimum Credential Hours

120

Specialization Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

R. Sims

Higher Education Assessment (CERT: Certificate)

Program Name

Higher Education Assessment

Degree

CERT: Certificate

CIP Code

130406

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Graduate Certificate

Description

The Certificate in Higher Education Assessment is designed to meet the need for professionals across postsecondary education institution types who are skilled in planning and carrying out assessment practices. The curriculum is focused on the development of skills that are immediately applicable at departmental, division, and institution-wide levels.

Requirements for Admission:
Students who hold an undergraduate degree, graduate degree, or those currently enrolled in a graduate program may apply for the Certificate in Higher Education Assessment.

Applicants must comply with Murray State University requirements (see *Graduate Admissions*). Additional requirements for unconditional admission are as follows:
• application to the certificate program,
• academic transcripts,
• a written statement of intent for admission into the Certificate in Student Affairs program, and
• a current resume.

Conditional admission will be determined by the Coordinator of the Certificate in Higher Education Assessment.

Graduation Requirements

Other Degree Requirements:
Students must complete the 12 credit-hour curricula and a culminating project to successfully complete the certificate program. The culminating project should be completed during the last semester of the program. Through the culminating project, students will integrate disparate concepts from each of the certificate courses in the form of a synthesized case study.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ADM735 - Institutional Research, Assessment and Accreditation (3)
    - HDL631 - Educational Data Management Techniques (3)
    - HDL633 - Educational Data Mining (3)
  - Note: HDL 631 is a prerequisite for HDL 633.
  - Completed at least 1 of the following:
    - HDL631 - Educational Data Management Techniques (3)
    - HDL632 - Advanced Statistical Analyses of Educational Data (3)
    - HDL634 - Observational and Interview Data Assessment (3)

Grand Total Credits: **12**

Minimum Credential Hours

12

Program Contact Information

Program Coordinator: Ben Littlepage 3201 Alexander Hall

Default Advisor

S. Bloomdahl

Higher Education Management (CERT: Certificate)

Program Name

Higher Education Management

Degree

CERT: Certificate

CIP Code

130406

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Graduate Certificate

Description

The Certificate in Higher Education Management equips individuals with administrative skill sets and awareness for organizational constructs applicable to varying postsecondary institutional types. Topics related to assessment, accreditation, budgeting, finance, jurisprudence, organizational systems, and strategic planning are explored through the curriculum Although the certificate program is open to individuals who meet the admissions criteria, ideal candidates are those who work or desire to work in the postsecondary education administration field.

Requirements for Admission

Students who hold an undergraduate degree, graduate degree, or those currently enrolled in a graduate program may apply for the Certificate in Higher Education Management.

Applicants must comply with Murray State University requirements (see *Graduate Admissions*). Additional requirements for unconditional admission are as follows:

• application to certificate program,

• academic transcripts,

• a written statement of intent for admission into the Certificate in Student Affairs program, and

• a current resume.

Conditional admission will be determined by the Coordinator of the Certificate in Higher Education Management.

Graduation Requirements

Other Degree Requirements

Students must complete the 12 credit-hour curriculum and a culminating project to successfully complete the certificate program. The culminating project should be completed during the last semester of the program. Through the culminating project, students will integrate disparate concepts from each of the certificate courses in the form of a synthesized case study

Program Requirements

- Completed the following:
  - ADM735 - Institutional Research, Assessment and Accreditation (3)
  - PSE710 - Higher Education and the Law (3)
  - PSE755 - Postsecondary Instructional Support Systems (3)
  - PSE760 - Organization and Operations in Postsecondary Education (3)

Grand Total Credits: **12**

Minimum Credential Hours

12

Program Contact Information

Program Coordinator: Ben Littlepage 3201 Alexander Hall

Default Advisor

B. Littlepage

Human Development and Leadership (MS: Master of Science)

Program Name

Human Development and Leadership

Degree

MS: Master of Science

CIP Code

440201

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Description

The Master of Science in Human Development and Leadership will prepare individuals for leadership roles and functions to successfully work with individuals, groups, and teams in for-profit and non-profit businesses and organizations at the local, regional, national, and global levels. The 21 core course hours will provide a solid foundation of information and skills for anyone with leadership responsibilities in organizations. Twelve hours of concentration area courses expand the individual's knowledge and skill base to focus on his/her career path. The transdisciplinary approach of Human Development and Leadership provides a broad base of leadership development courses with depth achieved through application of core course assignments to the concentration area and current/future career goals. The M.S. in Human Development and Leadership program totals 33 semester hours.

Requirements for Admission

Unconditional Admission

Admission is not based on any sole factor, but on a combination of the applicant's academic record, career goals, and ability to communicate through writing. Applicants to the M.S. in Human Development and Leadership should submit both the MSU Graduate Application and a departmental application. A 3.0 GPA must be maintained to remain in the program. Failure to do so results in academic probation or academic suspension, per University policy.

Conditional Admission

Conditional admission may be granted to applicants who do not meet University GPA requirements of a 3.0 GPA (based on A equals 4.0), but who demonstrate his/her capacity to succeed as evidenced through the department application. A student who is admitted conditionally must maintain a GPA of 3.0. Failure to do so results in academic probation or academic suspension, per University policy

Graduation Requirements

Other Degree Requirements

Successful completion of the program with a 3.0 GPA is required. Students must also pass the comprehensive exam, to be taken during the final semester of courses.

NOTE: The HDL program (including the emphasis areas) leads to a nonpractice credential and is not EPSB approved.

Program Requirements

- Complete all of the following
  - Required Core Curriculum:
  - Completed at least 1 of the following:
    - ADM630 - Methods of Research (3)
    - POL660 - Research Methods (3)
  - Completed at least 1 of the following:
    - COM639 - Seminar in Conflict Resolution (3)
    - HDL655 - Social Intelligence: Interpersonal Processes (3)
  - Completed the following:
    - CNS635 - Human Development (3)
    - HDL625 - Legal and Ethical Issues (3)
    - HDL660 - Developing Human Potential Seminar (3)
    - HDL670 - Multicultural and Diversity Issues in Leadership (3)
    - HDL692 - Individual, Group and Team Dynamics (3)
  - Emphasis/Electives: Choose 12 hours from any ONE of the following areas or with the approval of advisor, design 12 hours to meet specific career goals. These courses must be approved when filing student's program.
    Group
  - Complete 1 of the following
    - Complete all of the following
      - Criminal Justice:
      - Completed at least 4 of the following:
        - CRJ605 - Seminar in the Administration of Justice (3)
        - CRJ610 - Seminar in Criminal Justice Issues (3)
        - CRJ620 - Mass and Serial Murder (3)
        - CRJ622 - Issues in Policing (3)
        - CRJ633 - Juvenile Delinquency (3)
        - CRJ637 - Juvenile Justice Procedures (3)
        - CRJ644 - Graduate Cooperative Education (3)
        - CRJ645 - Graduate Internship (3)
        - CRJ650 - Constitutional and Legal Issues in Criminal Justice (3)
        - CRJ655 - Crime Prevention (3)
        - CRJ673 - Victimology (3)
        - CRJ675 - Comparative Criminal Justice Systems (3)
        - CRJ695 - Special Problems (3)
    - Complete all of the following
      - Educational Administration:
      - Completed the following:
        - ADM600 - Introduction to Educational Leadership (3)
        - ADM645 - Educational Resources Management (3)
        - ADM664 - School Principal (3)
        - TLE630 - Teacher Leadership in the Schools and Community (3)
    - Complete all of the following
      - Educational Data Management and Analytics:
      - Completed the following:
        - HDL631 - Educational Data Management Techniques (3)
        - HDL632 - Advanced Statistical Analyses of Educational Data (3)
        - HDL633 - Educational Data Mining (3)
        - HDL634 - Observational and Interview Data Assessment (3)
    - Complete all of the following
      - Environmental Education:
      - Completed the following:
        - NLS615 - Introduction to Environmental Education (3)
        - NLS664 - Techniques of Teaching Environmental Education (3)
      - Completed at least 2 of the following:
        - NLS660 - Special Problems in Environmental Education (1 - 3)
        - NLS663 - Workshops in Environmental Education (1 - 3)
        - NLS667 - International Environmental Education (3)

        - NLS669 - Investigation and Evaluation of Issues in Environmental Education (3)
        - NLS670 - Field Experience in Environmental Education (2 - 3)
- Complete all of the following
    - Industrial Supervision:
    - Completed the following:
        - IOE684 - Engineering Economic Analysis (3)
        - IOE691 - Industrial Operations (3)
        - IOE693 - Systems Management Technology (3)
        - IOE695 - Industrial Supervision (3)
- Complete all of the following
    - Instructional Development:
    - Completed the following:
        - EDU606 - Preparation of Curriculum Materials (3)
        - EDU622 - Philosophy of Education (3)
        - EDU626 - Integration of Educational Technology (3)
    - Completed at least 3 credits from the following types of courses: Advisor-approved electives (to replace retired EDU 625 course)
- Complete all of the following
    - Intercultural Communications:
    - Completed the following:
        - CNS684 - Problems (1 - 3)
        - COM640 - Seminar in Intercultural Communication (3)
        - JMC600 - Seminar in International Mass Communication (3)
        - JMC601 - Media, Culture, Gender, and Race (3)
- Complete all of the following
    - Leadership Development:
    - Completed the following:
        - NLS685 - Seminar on Leadership Development (3)
        - HDL681 - Leading and Developing Others (3)
        - HDL682 - Leading Organizations: Processes of Critical Thinking & Problem Solving (3)
    - Completed at least 1 of the following:
        - HDL683 - Assessment and Application of Leadership Research (3)
        - HDL684 - Contemporary Issues in Leadership Development Seminar (3)
- Complete all of the following
    - Non-Profit Leadership:
    - Completed the following:
        - NLS600 - The Nonprofit Sector and Civil Society (3)
    - Completed at least 3 of the following:
        - NLS601 - Seminar on Nonprofit Organizations (3)
        - NLS602 - Financial Resource Management and Development (3)
        - NLS625 - Nonprofit Organization Development, Management, and Leadership (3)
        - NLS665 - Policy, Legal Issues, and Advocacy for Social Change in Nonprofit Organizations (3)
        - NLS675 - Social Entrepreneurship (3)
        - NLS685 - Seminar on Leadership Development (3)
- Complete all of the following
    - Public Administration:
    - Completed at least 4 of the following:
        - POL670 - Foundations of Public Administration (3)
        - POL671 - Public Policy Analysis (3)
        - POL673 - Public Budgeting and Finance (3)
        - POL674 - Public Organizations (3)
        - POL681 - Public Sector Human Resource Management (3)

Grand Total Credits: **29 - 33**

Minimum Credential Hours

30

Program Contact Information

School Counseling Program Coordinator: Samir Patel 3201 Alexander Hall

Default Advisor

S. Bloomdahl

Human Development and Leadership (CERT: Certificate)

Program Name

Human Development and Leadership

Degree

CERT: Certificate

CIP Code

440201

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Graduate Certificate

Description

The Human Development and Leadership Certificate program is designed for individuals working in positions such as administrative, program development, or direct information and provides skills for those with leadership responsibilities or for those wanting to move toward assuming a greater leadership role. The four courses focus on the self, working with diverse individuals and cultures, developing an understanding of and how to utilize assessments in non-clinical settings, and understanding the process of working in and with groups. The successful completion of the Human Development and Leadership Certificate is indicated on the student's transcript.

Requirements for Admission

Students with an undergraduate degree or those currently enrolled in a graduate or professional degree program may apply for the Human Development and Leadership Certificate program. Persons who already hold a graduate degree may also apply for the certificate program.

Applicants to the HDL Certificate Program should submit both the MSU Graduate Application and a Departmental application. Admission is not based on any sole factor but on a combination of the applicant's academic record, career goals, and ability to communicate through writing. Students must maintain a GPA of 3.0. Failure to do so results in Academic Probation or Academic Suspension, per University policy.

Graduation Requirements

Other Degree Requirements

Successful completion (with a GPA of 3.0) of twelve hours of graduate-level coursework to include the four courses listed above. Students may transfer up to six credit hours of similar graduate study. This program leads to a non-practice credential and is not approved by the EPSB.

Program Requirements

- Completed the following:
  - HDL660 - Developing Human Potential Seminar (3)
  - HDL670 - Multicultural and Diversity Issues in Leadership (3)
  - HDL675 - Assessment of Human Potential (3)
  - HDL692 - Individual, Group and Team Dynamics (3)

Grand Total Credits: **12**

Minimum Credential Hours

12

Program Contact Information

Counseling Program Program Coordinator: Samir Patel 3201 Alexander Hall

Default Advisor

S. Bloomdahl

Human Services (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Human Services

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

440000

Program Level

Undergraduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Undergraduate Program Type

Major

Description

A diverse array of personal life experiences brings students to the helping profession. A major in Human Services prepares graduates for entry-level positions in a wide variety of community services settings. Graduates are equipped to face both the everyday human struggle as well as the complex problems of an increasingly interwoven global society. Graduates gain the following skills necessary to work as a human services professional; professional dispositions of a human services worker, human development and learning theories, human relation skills, leadership and group engagement, ethical decision making, cross-cultural engagement, and the basics skills related to program evaluation and advocacy.

Prerequisite Requirements

Students must have successfully completed CNS 200, 319, and 325 to register for CNS 334, 352, or 492. Students must have successfully completed CNS 334, 352, and 492 to register for 494. Students must have successfully completed CNS 494 to register for 495.

Graduation Requirements

Students transferring in 36 credit hours of coursework prior to admission into the Human Services program are exempt from completing EDU 100T.

Program Requirements

- Complete all of the following
  - Completed the following:
    - EDU100T - Transitions (1)
    - CNS200 - Professional Communications in Human Services (3)
    - CNS210 - Understanding and Evaluating Human Services Organizations (3)
    - CNS319 - Professional Interpersonal Skills (3)
    - CNS325 - Professional Orientation and Ethics in Human Services (3)
    - CNS334 - Family Issues and Guidance (3)
    - CNS352 - Domestic Violence and Crisis Situations (3)
    - CNS371 - Diversity and Advocacy in Human Services (3)
    - CNS492 - Leadership and Group Skills (3)
    - CNS494 - Practicum in Human Services (3)
    - CNS495 - Internship in Human Services (3)
    - EDP260 - Psychology of Human Development (3)
    - GUI100 - Self-Development and Career Exploration (1 - 3)
  - Completed at least 21 credits from the following types of courses:
    Required Minor

Grand Total Credits: **56 - 58**

Minimum Credential Hours

120

Program Contact Information

Department of Educational Studies, Leadership and Counseling 3201 Alexander Hall (270) 809-6471

Default Advisor

J. Brogan

Individual Intellectual Assessment for the School Counselor (Endorsement)

Program Name

Individual Intellectual Assessment for the School Counselor

Degree

Endorsement

CIP Code

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Description

This program endorsement is designed to meet state certification requirements for a practicing school counselor to perform district-wide assessments.

Prerequisites

• School counselor certification: provisional or standard

• Experience as a certified and practicing school counselor

Note: Courses taken toward this certification must be current (within five years) before the practicum can be scheduled.

Program Requirements

- Completed the following:
  - CNS677 - Instructional Assessment and Intervention (3)
  - CNS683 - Tests and Measurements (3)
  - CNS689 - Individual Testing (3)
  - CNS690 - Advanced Individual Testing (3)
  - CNS790 - Practicum (3)

Grand Total Credits: **15**

Minimum Credential Hours

15

Program Contact Information

Counseling Program Program Coordinator: Samir Patel 3201 Alexander Hall

Default Advisor

M. Dunham

Instructional Computer Technology (Endorsement)

Program Name

Instructional Computer Technology

Degree

Endorsement

CIP Code

Program Level

Graduate

Department

Early Childhood and Elementary Education

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Accreditations

Kentucky Education Professional Standards Board

Description

Students may seek endorsement in instructional computer technology by completing any combination of 12 hours in the following courses.

Graduation Requirements

An instructional computer technology endorsement also requires one year of successful teaching experience. The endorsement is valid for grades P-12.

Program Requirements

- Complete all of the following
  - Completed the following:
    - EDU606 - Preparation of Curriculum Materials (3)
    - EDU626 - Integration of Educational Technology (3)
  - Completed at least 2 of the following:
    - ADM670 - Topics in Educational Technology (3)
    - CTE667 - Emerging Trends in Instructional Technology (3)
    - SED614 - Advanced Instructional Technology (3)

Grand Total Credits: **12**

Minimum Credential Hours

12

Program Contact Information

Department of Early Childhood and Elementary Education 3201 Alexander Hall (270) 809-2500

Default Advisor

R. Lyons

Interdisciplinary Early Childhood Education (Birth to Primary) (BA/BS: Bachelor of Arts

or Bachelor of Science)

Program Name

Interdisciplinary Early Childhood Education (Birth to Primary)

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

131210

Program Level

Undergraduate

Department

Early Childhood and Elementary Education

College

College of Education and Human Services

Undergraduate Program Type

Area

Graduation Requirements

Note: Admission to the teacher education program requires a minimum grade of B in one English composition course, a University Studies math course, COM 161, and EDU 180. Additional requirements for admission to teacher education and student teaching must be met. See advisor and/or Office of Teacher Education Services for details.

Admission to Teacher Education is required for certain courses. Students shall not enroll in any educator preparation courses restricted to admitted candidates. (16 KAR 5:020)

Another course may not be substituted for EDU 100T.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - BIO101 - Biological Concepts (4)
    - CSC199 - Introduction to Information Technology (3)
    - SOC133 - Introduction to Sociology (3)
    - THD104 - The Theatrical Experience (3)
  - Required for BA only:
  - Completed at least 3 credits from the following types of courses: Literature, Philosophy, or Fine Arts elective
  - Required for BS only:
  - Completed the following:
    - PSY180 - General Psychology (3)

Grand Total Credits: **19**

Program Requirements

- Complete all of the following
  - Professional Studies:
  - Earned a minimum grade of B in each of the following:
    - EDU180 - Exploring the Teaching Profession (3)
  - Completed the following:
    - ART343 - Materials and Techniques for the Classroom (3)
    - EDU100T - Transitions (1)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)
    - ELE421 - Student Teaching Elementary P-5, IECE (7 - 14)
  - Interdisciplinary Early Childhood Courses:
  - Completed the following:
    - CDI340 - Speech and Language Development (3)
    - ELE301 - Language and Early Literacy for Early Childhood (3)
    - ELE302 - Music and Movement for Young Children (3)
    - ELE308 - Teaching Mathematics and Science in Early Childhood (3)
    - ELE320 - Child Guidance (3)
    - ELE321 - Program Planning for Preschool Children (3)
    - ELE390 - Introduction to Kindergarten (3)
    - ELE410 - Collaboration and Communication in IECE Environments (3)
    - ELE439 - Early Childhood Assessment and Program Development (3)
    - ELE455 - Curriculum and Methods for Infants and Toddlers (3)
    - ELE474 - IECE Practicum I (2)
    - ELE475 - IECE Practicum II (3)
    - FCS250 - Early Childhood Development (3)
    - SED404 - Special Education Procedures and Strategies in IECE (3)
    - SED409 - Instructional Procedures-Students with MSD (3)
    - SED526 - Education of Young Children with Disabilities (3)
    - SWK405 - Child Abuse and Neglect (3)
  - Completed at least 2 credits from the following types of courses:
    Advisor Approved Electives

Grand Total Credits: **75 - 82**

Minimum Credential Hours

120

Program Contact Information

Department of Early Childhood and Elementary Education 3201 Alexander Hall (270) 809-2500

Default Advisor

J. Branch

Juvenile Justice (Minor)

Program Name

Juvenile Justice

Degree

Minor

Program Level

Undergraduate

Department

Community Leadership and Human Services

College

College of Education and Human Services

Undergraduate Program Type

Minor

Graduation Requirements

Twelve hours must be from upper-level courses.

Only three hours are allowed from CRJ 305, 488, or 489.

Students can only apply courses in which they earned a minimum grade of *C* toward the minor.

Students are expected to take the necessary prerequisites listed under CRJ course descriptions.

No substitutions and/or alterations in the above curriculum shall be made without written approval of the criminal justice program director.

All required upper-level courses and hours must be completed at the upper-level at Murray State or at another 4-year institution.

This minor cannot be taken by students in the CRJ major or area.

CRJ 300 is not the same as the MSU course SOC 338. CRJ 300 cannot be substituted with any course from another institution if it was called "Criminology" and/or offered as a sociology course.

Program Requirements

- Complete all of the following
  - Completed the following:
    - CRJ140 - Introduction to Criminal Justice (3)
    - CRJ320 - Juvenile Justice (3)
  - Completed at least 1 of the following:
    - CRJ533 - Juvenile Delinquency (3)
    - CRJ537 - Juvenile Justice Procedures (3)
    - CRJ573 - Victimology (3)
  - Completed at least 2 of the following:
    - EDP260 - Psychology of Human Development (3)
    - PSY260 - Lifespan Development (3)
    - PSY261 - Child Psychology (3)
    - PSY262 - Adolescent Psychology (3)
    - SOC441 - Sociology of Youth Violence (3)
    - SWK336 - Family Violence (3)
    - SWK395 - Substance Abuse Prevention (3)
    - SWK405 - Child Abuse and Neglect (3)
  - Completed at least 2 of the following:
    - CRJ220 - Law Enforcement (3)
    - CRJ240 - Corrections (3)
    - CRJ300 - Crime and Criminals (3)
    - CRJ325 - Criminal Justice Ethics (3)
    - CRJ455 - Police and Community Relations (3)
    - CRJ470 - Institutional Corrections (3)
    - CRJ505 - Criminal Justice Administration (3)
    - CRJ533 - Juvenile Delinquency (3)
    - CRJ537 - Juvenile Justice Procedures (3)
    - CRJ573 - Victimology (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Community Leadership and Human Services 108 Carr Health Building (270) 809-6802

Default Advisor

Dept Chair

Kentucky Administrator Professional Endorsements

Program Name

Kentucky Administrator Professional Endorsements

CIP Code

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Description

There are four Kentucky administrative endorsements that may be obtained at the post-master's degree level. These endorsements are a) Instructional Leadership - School Superintendent, b) Instructional Leadership - Supervisor of Instruction, c) Director of Pupil Personnel, and d) Director of Special Education. All programs are aligned to the Professional Standards for Education Leaders.

Requirements for Admission

Applicants to these programs must have a valid Kentucky teaching certificate, a minimum of three years of teaching experience, and a master's degree in an education area.

Exit Criteria

Per 16 KAR 3:090, the SLLA 6011 will be offered until December 2020. After that date, all candidates in the Advanced Educational Leadership Programs must begin taking the SLLA 6990.

Program Contact Information

pK-12 School Administration Programs 3201 Alexander Hall

Default Advisor

R. Lyons

Kentucky Administrator Professional Endorsements - Director of Pupil Personnel

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Kentucky Administrator Professional Endorsements - Director of Pupil Personnel

Degree

Endorsement

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduation Requirements

ADM 601, 611, 631, and 672 are not required if part of prerequisite master's degree.

Specialization Requirements

- Complete all of the following
  - Level I Requirements:
  - Completed the following:
    - ADM601 - School Leadership, Culture, and Community (3)
    - ADM611 - Instructional Leadership and Coaching (3)
    - ADM631 - Organization and Operation of Schools (3)
    - ADM667 - Pupil Personnel Accounting (3)
    - ADM669 - Seminar in School Administration (3)
    - ADM672 - Legal and Ethical Issues in Schools (3)
  - Level II Requirements:
  - Completed at least 1 of the following:
    - ADM677 - Crisis Management in Educational Settings (3)
    - COM639 - Seminar in Conflict Resolution (3)
    - HDL692 - Individual, Group and Team Dynamics (3)

Grand Total Credits: **21**

Specialization Contact Information

pK-12 School Administration Programs 3201 Alexander Hall

Default Advisor

R. Lyons

Kentucky Administrator Professional Endorsements - Director of Special Education

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Kentucky Administrator Professional Endorsements - Director of Special Education

Degree

Endorsement

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduation Requirements

In addition to the requirements listed for all Kentucky Administrator Professional Endorsements, applicants must:

- qualify for a Kentucky teaching certificate or a school psychology certificate and
- provide evidence of three years of experience as a teacher or school psychologist, with at least one year as a teacher of exceptional children or school psychologist.

ADM 601, 611, 631, and 672 are not required if part of prerequisite master's degree.

Specialization Requirements

- Complete all of the following
  - Level I Requirements:
  - Completed the following:
    - ADM601 - School Leadership, Culture, and Community (3)
    - ADM611 - Instructional Leadership and Coaching (3)
    - ADM631 - Organization and Operation of Schools (3)
    - ADM650 - Clinical Supervision (3)
    - ADM669 - Seminar in School Administration (3)
    - ADM672 - Legal and Ethical Issues in Schools (3)
  - Level II Requirements:
  - Completed at least 1 of the following:
    - ADM749 - School District Management (3)
    - ADM759 - Instructional Planning in Education (3)

Grand Total Credits: **21**

Specialization Contact Information

pK-12 School Administration Programs 3201 Alexander Hall

Default Advisor

R. Lyons

Kentucky Administrator Professional Endorsements - Instructional Leadership-School

Superintendent

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Kentucky Administrator Professional Endorsements - Instructional Leadership-School Superintendent

Degree

Endorsement

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Description

Graduation Requirements

Applicants should apply to the MSU Graduate School and obtain a program application

from www.murraystate.edu/elc. Requirements for Admission Pursuant to 16 KAR 3:010, applicants must submit the following:

a) a valid Kentucky Professional Certificate;

b) evidence of a minimum of three years of teaching experience at the time of application;

c) evidence of at least two years of experience in a position of school principal, supervisor of instruction, guidance counselor, director of pupil personnel; director of special education, school business administration, local district coordinator of vocational education, or a coordinator, administrator, or supervisor of district-wide services. Other administrative experience may be substituted for this requirement with the approval of the Education Professional Standards Board;

d) an admission portfolio that includes a written statement from a supervisor or education agency representative attesting to the skills and evidence of the applicant’s suitability in the following areas:

1. The ability to improve student achievement;
2. Knowledge of school laws related to school finance, school operations, and personnel matters;
3. The ability to implement curriculum, instruction, and assessment;
4. A commitment to ongoing professional growth;
5. Effective communication skills; and
6. The ability to build relationships, foster teamwork, and develop networks;

e) proof the applicant completed a master's degree program.

Students must be unconditionally admitted to the superintendent program to enroll in ADM 779.

Exit Criteria

Successful defense of the Capstone Project and verification of all field experience and mentor hours.

Specialization Requirements

- Completed the following:
  - ADM739 - Roles and Responsibilities of the School Superintendent (3)
  - ADM749 - School District Management (3)
  - ADM759 - Instructional Planning in Education (3)
  - ADM779 - Superintendency Capstone (1 - 3)

Grand Total Credits: **10 - 12**

Specialization Contact Information

pK-12 School Administration Programs 3201 Alexander Hall

Default Advisor

R. Lyons

Kentucky Administrator Professional Endorsements - Instructional Leadership-Supervisor of Instruction

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Kentucky Administrator Professional Endorsements - Instructional Leadership-Supervisor of Instruction

Degree

Endorsement

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduation Requirements

ADM 601, 611, 631, and 672 are not required if part of prerequisite master's degree.

Specialization Requirements

- Complete all of the following
  - Level I Requirements:
  - Completed the following:
    - ADM601 - School Leadership, Culture, and Community (3)
    - ADM611 - Instructional Leadership and Coaching (3)
    - ADM631 - Organization and Operation of Schools (3)
    - ADM665 - District-wide Instructional Supervisor (3)
    - ADM669 - Seminar in School Administration (3)
    - ADM672 - Legal and Ethical Issues in Schools (3)
  - Level II Requirements:
  - Completed the following:
    - ADM759 - Instructional Planning in Education (3)

Grand Total Credits: **21**

Specialization Contact Information

pK-12 School Administration Programs 3201 Alexander Hall

Default Advisor

R. Lyons

Learning and Behavior Disorders/Elementary Track (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Learning and Behavior Disorders/Elementary Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

131001

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Undergraduate Program Type

Area

Accreditations

Council for the Accreditation of Educator Preparation (CAEP); Kentucky Education Professional Standards Board

Graduation Requirements

Note: Students must be admitted to Teacher Education by the time they complete nine semester hours of professional education coursework.

Note: Certification requires a grade of *B* or better in one English composition course and a *B* or better in a University Studies math course, public speaking, and EDU 180. Additional requirements for admission to teacher education and student teaching must be met. See advisor and/or the Office of Teacher Education Services for details.

EDU 485 and SED must be taken one semester before student teaching.

Specifically Required University Studies

- Completed the following:
  - CSC199 - Introduction to Information Technology (3)
  - PSY180 - General Psychology (3)

Grand Total Credits: **6**

Program Requirements

- Complete all of the following
  - Completed the following:
    - ART343 - Materials and Techniques for the Classroom (3)
    - CDI292 - Communication Disorders for Educators (3)
    - ELE390 - Introduction to Kindergarten (3)
    - ELE411 - Elementary Social Studies Methods (3)
    - ELE413 - Elementary Science Methods (3)
    - ELE481 - Clinical Experience for Elementary School Teachers I (0 - 1)
    - ELE486 - Clinical Experience for Elementary School Teachers II (0 - 2)
    - MAT115 - Mathematics for Middle and Elementary Teachers (3)
    - MAT215 - Mathematics for Middle and Elementary Teachers II (3)
    - MID270 - Teaching and Learning in the Middle Grades (3)
    - REA404 - Teaching Elementary Language Arts (3)
    - REA405 - Children's Literature for Early and Developing Readers (3)
    - REA406 - Literacy Development in Elementary School (3)
    - SED310 - Characteristics of and Strategies for Teaching Students with Mild Disabilities (3)
    - SED350 - Roles and Procedures in Special Education (3)
    - SED408 - Functional Behavior Analysis (3)
    - SED409 - Instructional Procedures-Students with MSD (3)
    - SED425 - Content Area Literacy for Students with Disabilities (3)
    - SED455 - Practicum in Learning and Behavior Disorders (3)
    - SED537 - Diagnostic Methods (3)
  - Completed at least 1 of the following:
    - ELE414 - Teaching Elementary Mathematics in Grades K-2 (3)
    - ELE415 - Teaching and Learning Math in Elementary School (Grades 3-5) (3)
  - Professional Education Courses:
  - Completed the following:
    - EDU100T - Transitions (1)
    - ELE421 - Student Teaching Elementary P-5, IECE (7 - 14)
    - SED421 - Student Teaching in Special Education (7)
  - Earned a minimum grade of B in each of the following:
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)

Grand Total Credits: **84 - 94**

Minimum Credential Hours

120

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

J. Mahoney

Learning and Behavior Disorders/Middle School Track (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Learning and Behavior Disorders/Middle School Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

131001

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Undergraduate Program Type

Area

Accreditations

Council for the Accreditation of Educator Preparation (CAEP); Kentucky Education Professional Standards Board

Graduation Requirements

Note: Students must be admitted to Teacher Education by the time they complete nine semester hours of professional education coursework.

Note: Certification requires a grade of *B* or better in one English composition course and a *B* or better in a University Studies math course, public speaking, and EDU 180. Additional requirements for admission to teacher education and student teaching must be met. See advisor and/or the Office of Teacher Education Services for details.

ELE 411 is not required for students completing the Social Studies track.

ELE 413 is not required for students completing the Science track.

EDU 480 and MID 395 must be taken two semesters before student teaching.

EDU 485 and SED 455 must be taken one semester before student teaching.

Academic track coursework may include University Studies requirements.

Substitutions can only be made with prior approval by advisor in the department concerned.

Specifically Required University Studies

- Completed the following:
  - CSC199 - Introduction to Information Technology (3)
  - PSY180 - General Psychology (3)

Grand Total Credits: **6**

Program Requirements

- Complete all of the following
  - Completed the following:

        - CDI292 - Communication Disorders for Educators (3)
        - ELE411 - Elementary Social Studies Methods (3)
        - ELE413 - Elementary Science Methods (3)
        - ELE415 - Teaching and Learning Math in Elementary School (Grades 3-5) (3)
        - MAT115 - Mathematics for Middle and Elementary Teachers (3)
        - MAT215 - Mathematics for Middle and Elementary Teachers II (3)
        - MID307 - Middle School Writing and Content Literacy (3)
        - MID342 - Middle Level Teaching Strategies (3)
        - MID395 - Advanced Strategies of Teaching in the Middle Grades (4)
        - SED310 - Characteristics of and Strategies for Teaching Students with Mild Disabilities (3)
        - SED350 - Roles and Procedures in Special Education (3)
        - SED408 - Functional Behavior Analysis (3)
        - SED409 - Instructional Procedures-Students with MSD (3)
        - SED425 - Content Area Literacy for Students with Disabilities (3)
        - SED455 - Practicum in Learning and Behavior Disorders (3)
        - SED537 - Diagnostic Methods (3)
    - Professional Education Courses:
    - Completed the following:
        - EDU100T - Transitions (1)
        - ELE486 - Clinical Experience for Elementary School Teachers II (0 - 2)
        - MID421 - Middle School Student Teaching (7 - 14)
        - SED421 - Student Teaching in Special Education (7)
    - Earned a minimum grade of B in each of the following:
        - EDU180 - Exploring the Teaching Profession (3)
        - EDU280 - Educating for Human Development (3)
        - EDU380 - Inclusive Teaching of Diverse Learners (3)
        - EDU480 - Effective Pedagogy (2)
        - EDU485 - Professional Perspectives for Teaching (1)
    - Academic Track:
    - Complete 1 of the following
        - Complete all of the following
            - English and Communication:
            - Completed the following:
                - ENG221 - Introduction to English Studies (3)
                - ENG228 - Standard English Usage (3)
                - ENG310 - Introduction to English Linguistics (3)
                - ENG425 - Teaching Literature, Writing and Grammar in Middle Schools (3)
            - Completed at least 1 of the following:
                - ENG204 - Advanced Expository Writing (3)
                - ENG214 - Introduction to Creative Writing (3)
                - ENG224 - Writing in the Professions (3)
            - Completed at least 1 of the following:
                - ENG303 - British Literature to 1760 (3)
                - ENG304 - British Literature, 1760 to the Present (3)
            - Completed at least 1 of the following:
                - ENG305 - Survey of World Literature, 1700-1945 (3)
                - ENG306 - Contemporary Literature (3)
                - ENG307 - World Literature to 1830 (3)
                - ENG308 - World Literature, 1830 to the Present (3)
                - ENG320 - Survey in African-American Literature (3)
            - Completed at least 1 of the following:
                - ENG311 - American Literature to 1865 (3)
                - ENG312 - American Literature 1865 to 1945 (3)
        - Complete all of the following
            - Mathematics:
            - Completed the following:
                - MAT115 - Mathematics for Middle and Elementary Teachers (3)
                - MAT215 - Mathematics for Middle and Elementary Teachers II (3)
                - MAT250 - Calculus and Analytic Geometry I (5)
                - MAT305 - Intermediate Geometry (3)

- MAT399 - Sets, Logic and Functions (3)
- STA135 - Introduction to Probability and Statistics (4)

- Complete 1 of the following
  - Completed the following:
    - MAT140 - College Algebra (4)
    - MAT145 - Trigonometry (3)
  - Completed the following:
    - MAT150 - Algebra and Trigonometry (5)

- Complete all of the following
  - Science:
  - Completed the following:
    - AST115 - Introductory Astronomy (3)
    - AST116 - Introductory Astronomy Laboratory (1)
    - BIO101 - Biological Concepts (4)
    - BIO216 - Biological Inquiry and Analysis (4)
    - CHE105 - Introductory Chemistry (4)
    - EES199 - Earth Science (4)
    - PHY125 - Brief Introductory Physics (4)
    - PHY126 - Brief Introductory Physics Laboratory (1)

- Complete all of the following
  - Social Studies:
  - Completed the following:
    - CIV201 - World Civilizations I (3)
    - CIV202 - World Civilizations II (3)
    - ECO140 - Contemporary Economics (3)
    - EES110 - World Geography (3)
    - HIS221 - American Experience to 1865 (3)
    - HIS222 - American Experience Since 1865 (3)
    - POL140 - American National Government (3)
  - Completed at least 1 of the following:
    - HIS301 - Ancient History to the Fall of Rome (3)
    - HIS302 - Medieval Europe (3)
    - HIS305 - Irish Diaspora (3)
    - HIS306 - Europe in Renaissance and Reformation (3)
    - HIS309 - Survey of World Religions (3)
    - HIS316 - Women and Gender in World History (3)
    - HIS340 - Modern East Asia (3)
    - HIS350 - History of Latin America (3)
    - HIS354 - Ancient Near East (3)
    - HIS355 - A Global History of Islam to 1800 (3)
    - HIS356 - Modern Middle East (3)
    - HIS359 - Early India (3)
    - HIS360 - Modern India (3)
    - HIS362 - Ancient Egypt (3)
    - HIS364 - Ancient Rome (3)
    - HIS370 - History of Africa (3)
  - Completed at least 1 of the following:
    - HIS321 - United States Social and Cultural History Since 1865 (3)
    - HIS332 - Colonial America to 1763 (3)
    - HIS346 - History of Kentucky (3)
    - HIS407 - Modern Imperialism and Colonialism (3)
    - HIS415 - Women in History (3)
    - HIS421 - United States Social and Cultural History to 1865 (3)
    - HIS449 - Islam in the Modern and Post-Modern World (3)
    - HIS450 - Modern Africa (3)
    - HIS451 - Africa, Slavery and the Diaspora (3)
    - HIS459 - Genocide in World History (3)

Grand Total Credits: **100 - 113**

Minimum Credential Hours

120

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

J. Mahoney

Learning and Behavior Disorders/Moderate to Severe Disabilities Track (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Learning and Behavior Disorders/Moderate to Severe Disabilities Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

131001

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Undergraduate Program Type

Area

Accreditations

Council for the Accreditation of Educator Preparation (CAEP); Kentucky Education Professional Standards Board

Graduation Requirements

Note: Certification requires a grade of *B* or better in one English composition course and a *B* or better in a University Studies math course, public speaking, and EDU 180. Additional requirements for admission to teacher education and student teaching must be met. See advisor and/or the Office of Teacher Education Services for details.

Students should complete SED 421 twice for a total of 14 credit hours.

Specifically Required University Studies

- Completed the following:
  - CSC199 - Introduction to Information Technology (3)
  - PSY180 - General Psychology (3)

Grand Total Credits: **6**

Program Requirements

- Complete all of the following
  - Completed the following:
    - CDI292 - Communication Disorders for Educators (3)
    - ELE481 - Clinical Experience for Elementary School Teachers I (0 - 1)
    - ELE486 - Clinical Experience for Elementary School Teachers II (0 - 2)
    - MAT115 - Mathematics for Middle and Elementary Teachers (3)
    - MID270 - Teaching and Learning in the Middle Grades (3)
    - REA404 - Teaching Elementary Language Arts (3)
    - SED310 - Characteristics of and Strategies for Teaching Students with Mild Disabilities (3)
    - SED331 - Nature and Needs of Individuals with Moderate to Severe Disabilities (3)
    - SED350 - Roles and Procedures in Special Education (3)
    - SED355 - Special Education Transition (3)
    - SED407 - Transdisciplinary Assessment of Individuals with Moderate/Severe Disabilities (3)
    - SED408 - Functional Behavior Analysis (3)
    - SED409 - Instructional Procedures-Students with MSD (3)
    - SED414 - Assistive Technology in Special Education (3)
    - SED416 - Collaboration Skills for Educators (3)
    - SED425 - Content Area Literacy for Students with Disabilities (3)
    - SED454 - Classroom Management of Individuals with Mod/Sev Disabilities (3)
    - SED455 - Practicum in Learning and Behavior Disorders (3)
    - SED456 - Practicum in Moderate to Severe Disabilities (3)
    - SED537 - Diagnostic Methods (3)
  - Completed at least 1 of the following:
    - ELE414 - Teaching Elementary Mathematics in Grades K-2 (3)
    - ELE415 - Teaching and Learning Math in Elementary School (Grades 3-5) (3)
  - Professional Education Courses:
  - Completed the following:
    - EDU100T - Transitions (1)
    - ELE421 - Student Teaching Elementary P-5, IECE (7 - 14)
  - Earned a minimum grade of B in each of the following:
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)

Grand Total Credits: **77 - 87**

Minimum Credential Hours

120

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

J. Mahoney

Library Media (MAED: Master of Arts in Education)

Program Name

Library Media

Degree

MAED: Master of Arts in Education

CIP Code

131334

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Description

The Master of Arts in Education in Library Media offers two areas of emphasis. The certified teacher course of study is offered for students with a teaching certificate that would like certification as a school media librarian. The initial certification course of study is appropriate for students with no teaching certificate that would like to begin an education career as a school media librarian.

Requirements for Admission

All applicants to the library media program should meet the minimum requirements outlined below.

• an earned bachelor’s degree from a regionally accredited institution with a minimum GPA of 2.75;

• application for admission to the MSU Graduate School; and • application for admission to the library media program.

Admission is not based on any sole factor, but a combination of the applicant’s academic record and application materials.

Graduation Requirements

Certification Track:

LIB 600 must be taken during the first semester of the program and includes 10 observation hours.

LIB 698 must be taken during the last semester of the program.

Field Experience

The MSU Library media Program requires certified students to complete 40 hours of field experiences as part of their professional training. These hours will be part of the students' course work in the following classes: LIB 600, 620, 630, and 640. This certification is PreK-12, so students will be required to complete hours in school libraries in all grade levels.

Initial Certification Track:

LIB 600 must be taken during the first semester of the program and includes 20 field experience hours.

Field Experience

The MSU Library Media Program requires that students without a teaching certificate meet all requirements for admission to Teacher Education, in compliance with 16 KAR 5:040 Admission, placement and supervision in student teaching. The hours will be part of the coursework in the following classes: 20 hours in LIB 600, 604, 620, 630, 640 and 100 hours in LIB 699. This certification is PreK-12, so students are required to complete hours in school libraries in all grade levels.

Program Requirements

- Complete 1 of the following
  - Complete all of the following
    - Certification Requirements:
    - Professional Education Courses:
    - Completed the following:
      - EDU626 - Integration of Educational Technology (3)
      - TLE620 - Educational Improvement through Research (3)
    - Specialization Courses:
    - Completed the following:
      - LIB600 - Libraries and Education (3)
      - LIB610 - Collection Management (3)
      - LIB616 - Children's Literature for Libraries (3)
      - LIB617 - Research in Young Adult Literature (3)
      - LIB620 - Library Administration (3)
      - LIB630 - Organizing and Managing Library Collections (3)
      - LIB640 - 21st Century Skills and Services (3)
      - LIB698 - Practicum (1 - 3)
  - Complete all of the following
    - Initial Certification:
    - Professional Education Courses:
    - Completed the following:
      - EDU626 - Integration of Educational Technology (3)
      - TLE620 - Educational Improvement through Research (3)
    - Specialization Courses:
    - Completed the following:
      - LIB600 - Libraries and Education (3)
      - LIB604 - Library in the School Curriculum (3)
      - LIB610 - Collection Management (3)
      - LIB616 - Children's Literature for Libraries (3)
      - LIB617 - Research in Young Adult Literature (3)
      - LIB620 - Library Administration (3)
      - LIB630 - Organizing and Managing Library Collections (3)
      - LIB640 - 21st Century Skills and Services (3)
      - LIB698 - Practicum (1 - 3)

Grand Total Credits: **28 - 33**

Minimum Credential Hours

30

Program Contact Information

Program Coordinator: Richard Dodson 3201 Alexander Hall

Default Advisor

S. Bloomdahl

Middle School Education/5-9 Certification Track (1 concentration) (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Middle School Education/5-9 Certification Track (1 concentration)

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

131203

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Undergraduate Program Type

Area

Accreditations

Council for the Accreditation of Educator Preparation (CAEP); Kentucky Education Professional Standards Board

Graduation Requirements

Note: Students are advised that requirements may change after the publication of the Bulletin. Students should check with an advisor in this department.

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, and a public speaking course. Additional requirements for admission to teacher education and student teaching must be met.

Students should see their academic advisor or the Office of Teacher Education Services for details.

Another course may not be substituted for EDU 100T.

EDU 480 must be taken two semesters before student teaching.

EDU 485 and MID 422 must be taken one semester before student teaching.

Substitutions can only be made with prior approval by an academic advisor in the department concerned.

Academic specialization coursework may include University Studies requirements.

Specifically Required University Studies

- Earned a minimum grade of C in each of the following:
  - CSC199 - Introduction to Information Technology (3)

Grand Total Credits: **3**

Program Requirements

- Complete all of the following
  - Earned a minimum grade of B in each of the following:
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)

- Completed the following:
  - EDU100T - Transitions (1)
  - MID307 - Middle School Writing and Content Literacy (3)
  - MID342 - Middle Level Teaching Strategies (3)
  - MID395 - Advanced Strategies of Teaching in the Middle Grades (4)
  - MID421 - Middle School Student Teaching (7 - 14)
  - MID422 - Extended Practicum (4)
- Students must select and complete 30 hours in one academic specialization field from the following:
- Complete 1 of the following
  - Complete all of the following
    - English and Communication:
    - Completed the following:
      - ENG201 - Introduction to Literature (3)
      - ENG228 - Standard English Usage (3)
      - ENG310 - Introduction to English Linguistics (3)
      - ENG425 - Teaching Literature, Writing and Grammar in Middle Schools (3)
    - Completed at least 1 of the following:
      - ENG204 - Advanced Expository Writing (3)
      - ENG214 - Introduction to Creative Writing (3)
      - ENG224 - Writing in the Professions (3)
    - Completed at least 1 of the following:
      - ENG303 - British Literature to 1760 (3)
      - ENG304 - British Literature, 1760 to the Present (3)
    - Completed at least 1 of the following:
      - ENG307 - World Literature to 1830 (3)
      - ENG308 - World Literature, 1830 to the Present (3)
    - Completed at least 1 of the following:
      - ENG311 - American Literature to 1865 (3)
      - ENG312 - American Literature 1865 to 1945 (3)
    - Completed at least 6 credits from the following types of courses: Approved 300-400 level English electives
  - Complete all of the following
    - Mathematics:
    - Earned a minimum grade of B in each of the following:
      - MAT140 - College Algebra (4)
      - STA135 - Introduction to Probability and Statistics (4)
    - Completed the following:
      - CSC101 - Introduction to Problem Solving Using Computers (3)
      - MAT115 - Mathematics for Middle and Elementary Teachers (3)
      - MAT117 - Mathematical Concepts (3)
      - MAT145 - Trigonometry (3)
      - MAT215 - Mathematics for Middle and Elementary Teachers II (3)
      - MAT220 - Business Calculus (3)
      - MAT305 - Intermediate Geometry (3)
      - MAT399 - Sets, Logic and Functions (3)
  - Complete all of the following
    - Science:
    - Completed the following:
      - AST115 - Introductory Astronomy (3)
      - AST116 - Introductory Astronomy Laboratory (1)
      - BIO101 - Biological Concepts (4)
      - BIO216 - Biological Inquiry and Analysis (4)
      - CHE105 - Introductory Chemistry (4)
      - EES101 - The Earth and the Environment (4)
      - EES125 - Weather and Climate (4)
      - PHY125 - Brief Introductory Physics (4)
      - PHY126 - Brief Introductory Physics Laboratory (1)
    - Completed at least 3 credits from the following types of courses:

Approved science elective
- Complete all of the following
  - Social Studies:
  - Completed the following:
    - CIV201 - World Civilizations I (3)
    - CIV202 - World Civilizations II (3)
    - ECO230 - Macroeconomics (3)
    - ECO231 - Microeconomics (3)
    - EES110 - World Geography (3)
    - HIS221 - American Experience to 1865 (3)
    - HIS222 - American Experience Since 1865 (3)
    - POL140 - American National Government (3)
    - SOC133 - Introduction to Sociology (3)
  - Earned at least 3 credits from the following:
    - HIS301 - Ancient History to the Fall of Rome (3)
    - HIS302 - Medieval Europe (3)
    - HIS305 - Irish Diaspora (3)
    - HIS306 - Europe in Renaissance and Reformation (3)
    - HIS309 - Survey of World Religions (3)
    - HIS316 - Women and Gender in World History (3)
    - HIS340 - Modern East Asia (3)
    - HIS350 - History of Latin America (3)
    - HIS354 - Ancient Near East (3)
    - HIS355 - A Global History of Islam to 1800 (3)
    - HIS356 - Modern Middle East (3)
    - HIS359 - Early India (3)
    - HIS360 - Modern India (3)
    - HIS362 - Ancient Egypt (3)
    - HIS363 - Ancient Greece (3)
    - HIS364 - Ancient Rome (3)
    - HIS370 - History of Africa (3)
  - Earned at least 3 credits from the following:
    - HIS407 - Modern Imperialism and Colonialism (3)
    - HIS415 - Women in History (3)
    - HIS421 - United States Social and Cultural History to 1865 (3)
    - HIS321 - United States Social and Cultural History Since 1865 (3)
    - HIS332 - Colonial America to 1763 (3)
    - HIS346 - History of Kentucky (3)
    - HIS449 - Islam in the Modern and Post-Modern World (3)
    - HIS450 - Modern Africa (3)
    - HIS451 - Africa, Slavery and the Diaspora (3)
    - HIS459 - Genocide in World History (3)
- Completed at least 1 credits from the following types of courses:
  1-20 hours in Restricted Content Electives: Must have prior approval of advisor and may include or enhance the academic track.

Grand Total Credits: **65 - 75**

Minimum Credential Hours

120

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

M.Gomez

Middle School Education/5-9 Certification Track (2 concentrations) (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Middle School Education/5-9 Certification Track (2 concentrations)

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

131203

Program Level

Undergraduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Undergraduate Program Type

Area

Accreditations

Council for the Accreditation of Educator Preparation (CAEP); Kentucky Education Professional Standards Board

Graduation Requirements

Note: Students are advised that requirements may change after the publication of the Bulletin. Students should check with an advisor in this department.

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, and a public speaking course. Additional requirements for admission to teacher education and student teaching must be met.

Students should see their academic advisor or the Office of Teacher Education Services for details.

Another course may not be substituted for EDU 100T.

MID 395 must be taken two semesters before student teaching.

EDU 480 and MID 422 must be taken one semester before student teaching.

Substitutions can only be made with prior approval by an academic advisor in the department concerned.

Academic specialization coursework may include University Studies requirements.

Specifically Required University Studies

- Earned a minimum grade of C in each of the following:
  - CSC199 - Introduction to Information Technology (3)

Grand Total Credits: **3**

Program Requirements

- Complete all of the following
  - Earned a minimum grade of B in each of the following:
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
  - Completed the following:
    - EDU100T - Transitions (1)
    - MID307 - Middle School Writing and Content Literacy (3)
    - MID342 - Middle Level Teaching Strategies (3)
    - MID395 - Advanced Strategies of Teaching in the Middle Grades (4)
    - MID421 - Middle School Student Teaching (7 - 14)
    - MID422 - Extended Practicum (4)
    - EDU485 - Professional Perspectives for Teaching (1)
  - Students must select and complete 24 hours in two academic specialization fields from the following:
  - Complete 1 of the following
    - Complete all of the following
      - English and Communication:
      - Completed the following:
        - ENG201 - Introduction to Literature (3)
        - ENG228 - Standard English Usage (3)
        - ENG310 - Introduction to English Linguistics (3)
        - ENG425 - Teaching Literature, Writing and Grammar in Middle Schools (3)
      - Completed at least 1 of the following:
        - ENG204 - Advanced Expository Writing (3)
        - ENG214 - Introduction to Creative Writing (3)
        - ENG224 - Writing in the Professions (3)
      - Completed at least 1 of the following:
        - ENG303 - British Literature to 1760 (3)
        - ENG304 - British Literature, 1760 to the Present (3)
      - Completed at least 1 of the following:
        - ENG307 - World Literature to 1830 (3)
        - ENG308 - World Literature, 1830 to the Present (3)
        - ENG305 - Survey of World Literature, 1700-1945 (3)
        - ENG306 - Contemporary Literature (3)
        - ENG320 - Survey in African-American Literature (3)
      - Completed at least 1 of the following:
        - ENG311 - American Literature to 1865 (3)
        - ENG312 - American Literature 1865 to 1945 (3)
    - Complete all of the following
      - Mathematics:
      - Earned a minimum grade of B in each of the following:
        - STA135 - Introduction to Probability and Statistics (4)
      - Complete 1 of the following
        - Completed the following:
          - MAT150 - Algebra and Trigonometry (5)
        - Completed at least 2 courses from: Courses from -
          - MAT140 - College Algebra (4)
          - MAT145 - Trigonometry (3)

          Must earn minimum grade of B in any selected course
      - Completed the following:
        - CSC101 - Introduction to Problem Solving Using Computers (3)
        - MAT115 - Mathematics for Middle and Elementary Teachers (3)
        - MAT215 - Mathematics for Middle and Elementary Teachers II (3)
        - MAT220 - Business Calculus (3)
        - MAT305 - Intermediate Geometry (3)
        - MAT399 - Sets, Logic and Functions (3)

- Complete all of the following
  - Science:
  - Completed the following:
    - AST115 - Introductory Astronomy (3)
    - AST116 - Introductory Astronomy Laboratory (1)
    - BIO101 - Biological Concepts (4)
    - BIO216 - Biological Inquiry and Analysis (4)
    - CHE105 - Introductory Chemistry (4)
    - PHY125 - Brief Introductory Physics (4)
    - PHY126 - Brief Introductory Physics Laboratory (1)
    - EES199 - Earth Science (4)
  - Completed at least 3 credits from the following types of courses: Approved science elective
- Complete all of the following
  - Social Studies:
  - Completed the following:
    - CIV201 - World Civilizations I (3)
    - CIV202 - World Civilizations II (3)
    - EES110 - World Geography (3)
    - HIS221 - American Experience to 1865 (3)
    - HIS222 - American Experience Since 1865 (3)
    - POL140 - American National Government (3)
    - ECO140 - Contemporary Economics (3)
  - Earned at least 3 credits from the following:
    - HIS301 - Ancient History to the Fall of Rome (3)
    - HIS302 - Medieval Europe (3)
    - HIS305 - Irish Diaspora (3)
    - HIS306 - Europe in Renaissance and Reformation (3)
    - HIS309 - Survey of World Religions (3)
    - HIS316 - Women and Gender in World History (3)
    - HIS340 - Modern East Asia (3)
    - HIS350 - History of Latin America (3)
    - HIS354 - Ancient Near East (3)
    - HIS355 - A Global History of Islam to 1800 (3)
    - HIS356 - Modern Middle East (3)
    - HIS359 - Early India (3)
    - HIS360 - Modern India (3)
    - HIS362 - Ancient Egypt (3)
    - HIS363 - Ancient Greece (3)
    - HIS364 - Ancient Rome (3)
    - HIS370 - History of Africa (3)
  - Earned at least 3 credits from the following:
    - HIS407 - Modern Imperialism and Colonialism (3)
    - HIS415 - Women in History (3)
    - HIS421 - United States Social and Cultural History to 1865 (3)
    - HIS321 - United States Social and Cultural History Since 1865 (3)
    - HIS332 - Colonial America to 1763 (3)
    - HIS346 - History of Kentucky (3)
    - HIS449 - Islam in the Modern and Post-Modern World (3)
    - HIS450 - Modern Africa (3)
    - HIS451 - Africa, Slavery and the Diaspora (3)
    - HIS459 - Genocide in World History (3)

Grand Total Credits: **58 - 70**

Minimum Credential Hours

120

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

M.Gomez

Moderate to Severe Disabilities (Non-Degree)

Program Name

Moderate to Severe Disabilities

Degree

Non-Degree

CIP Code

Program Level

Graduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Description

This program is designed for teachers certified in learning and behavior disorders who wish to obtain a P-12 certification in moderate to severe disabilities. A valid learning and behavioral teaching certificate is required for entrance.

Graduation Requirements

The student's progress will be continuously assessed throughout the program using established program checkpoints and portfolio entries addressing Kentucky teacher standards.

Program Requirements

- Completed the following:
  - SED607 - Transdisciplinary Assessment of Individuals with Moderate/Severe Disabilities (3)
  - SED609 - Instructional Procedures-Students with MSD (3)
  - SED614 - Advanced Instructional Technology (3)
  - SED631 - Nature and Needs of Individuals with Moderate to Severe Disabilities (3)
  - SED645 - Strategies for Students with Autism (3)
  - SED655 - Special Education Transition (3)
  - SED690 - Exit Seminar in Special Education (1)

Grand Total Credits: **19**

Minimum Credential Hours

19

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

B. Washington

P-20 and Community Leadership (EDD: Doctor of Education)

Program Name

P-20 and Community Leadership

Degree

EDD: Doctor of Education

CIP Code

130401

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Description

The Doctor of Education in P-20 and Community Leadership is designed to foster innovation and creative leadership for experienced educational and community leaders through advanced degree experiences. There are four areas of specialization for the Doctorate of Education in P-20 and Community Leadership: (1) pK-12 Leadership, (2) Postsecondary Leadership,

(3) Science, Technology, Engineering, and Mathematics Leadership, (4) Agriculture Education Leadership, and an Ed.S. to Ed.D. bridge is also available.

Requirements for Admission

The program is designed for candidates who have both the academic requirements and sufficient professional preparation and experiences to suggest success at the doctoral level, as well as success as P-20 leaders. The minimum requirements articulated below qualify applicants for consideration, but do not guarantee admission. Admission is granted on a competitive basis.

Unconditional

Admission requirements to the Ed.D. program are as follows:

•an earned master's degree from a regionally accredited institution of higher education with a GPA of 3.0 or above. Note: STEM Specialization requires a master's degree in a STEM area;

•Graduate Record Examination (GRE) score (since August 2011) detailing Verbal Reasoning, Quantitative Reasoning and Analytical Writing categories;
•a professional resume;
•three confidential professional letters of recommendation and a completed recommendation form attesting to leadership ability and scholarship of the applicant;
•a minimum of three years of successful leadership experience in a pK-12, postsecondary, agricultural, STEM or related community setting;
•a letter of application that addresses applicant's qualifications and purpose for pursuing the doctorate;
•samples of professional and/or academic writing; and
•a statement of support from the applicant's employer or a written plan for how the applicant will meet the demands of the program and maintain professional responsibilities; and
•an interview with the program faculty.

Admission is not based on any sole factor but on a combination of the applicant's academic record and application materials, which describe professional and leadership experiences and academic abilities. Finalists for admission will complete an interview with program faculty to ensure a match between an applicant's abilities and the program's goals and objectives.

Application deadlines will be posted on the Department of Educational Studies, Leadership and Counseling website for each admission cycle. Applicants should obtain a Program Application by contacting the program at www.murraystate.edu/p20 or 270-809-2793.

Graduation Requirements

Other Degree Requirements
Satisfactory progress through the Ed.D. program requires the following:
• maintenance of a 3.0 overall GPA,
• completion of the written/oral qualifying comprehensive examination with a passing score,
• successful defense of the Dissertation Proposal, and
• successful defense of the Dissertation.

Detailed information about these and other policies, such as academic honesty, dissertation guidelines and comprehensive exams, is available from the Department of Educational Studies, Leadership and Counseling and in the Doctor of Education in P-20 and Community Leadership Program Handbook.

Exit Criteria
Candidates must have a 3.0 overall GPA to qualify for graduation.
Verification of required clinical experience.
Successful defense of dissertation.

Prior Learning Assessment
Prior experience and training may be considered for course credit, on a case-by-case basis, by the Ed.D. program director. In such instances, students will be required to submit supporting documentation (e.g. a professional portfolio) for review. This method particularly applies to the clinical experience courses, ADM 900 and ADM 910, but may be considered for other courses under special circumstances.

Competency-Based Education
Students may be granted the opportunity to pursue course credit through competency-based education, on a case-by-case basis, as determined by the Ed.D. program director. In such instances, students will engage in competency assessment that may include completing instructional modules, written assessments, oral presentations, among other methods. This method particularly applies to the specialization course sequence.

Minimum Credential Hours

60

Program Contact Information

Randy Wilson, Program Director 3201 Alexander Hall

Default Advisor

R. Wilson

P-20 and Community Leadership (EDD: Doctor of Education) - P-20 and Community Leadership/Agricultural Education Leadership Specialization

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

P-20 and Community Leadership (EDD: Doctor of Education) - P-20 and Community Leadership/Agricultural Education Leadership Specialization

Degree

EDD: Doctor of Education

CIP Code

130401

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduation Requirements

Students must pass Qualifying Exam before enrolling in ADM 915.

Students must maintain enrollment in ADM 940 until successful defense.

This specialization is eligible for the Ed.S. to Ed.D. bridge. Up to 30 hours may be transferred from an Ed.S. degree to the Ed.D. program. Upon review by the Ed.D. program director and faculty, transferred hours could be assigned in the following areas:

Specialization - up to 18 hrs

Quantitative Research Methods - 3 hrs

Clinical Experiences - up to 6 hrs

Qualitative Research Methods - 3 hrs

The remainder of the required credits for the Ed.D. degree would be taken either on-campus or via distance delivery.

Potential students would be required to complete the Ed.D. program admissions process as well as apply for admission to the Murray State University graduate school.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ADM725 - Advanced Methods of Quantitative Research in Education (3)
    - ADM730 - Advanced Educational Research (3)
    - ADM735 - Institutional Research, Assessment and Accreditation (3)
    - ADM800 - Seminar in Individual Leadership Development (3)
    - ADM810 - Leadership and Ethics in a Diverse Society (3)
    - ADM820 - Foundations of P-20 Education (3)
    - ADM830 - Development of P-20 Learners (3)
    - ADM900 - Clinical Practice: P-20 Leadership (3)
    - ADM910 - Clinical Practice II: P-20 Learner (3)
    - ADM915 - Research Inquiry and Design (3)
    - ADM920 - Dissertation Seminar I (3)
    - ADM930 - Dissertation Seminar II (3)
    - ADM940 - Dissertation Seminar III (1 - 3)
    - MGT801 - Educational Entrepreneurship (3)
  - Specialization Area:
  - Completed the following:
    - AED900 - Trends and Advocacy in Agricultural Leadership (3)
    - AED910 - Agricultural Education Stewardship in Practice (3)
    - AED920 - Seminar in Agricultural Education Leadership (3)
    - AED930 - Training and Presentation Development Strategies for Agricultural Audiences (3)
    - AED940 - Agricultural Education Supervision in Practice (3)
  - Completed at least 3 credits from the following types of courses:
    AED/AGR elective

Grand Total Credits: **58 - 60**

Minimum Credential Hours

60

Specialization Contact Information

Program Director: Randy Wilson 3201 Alexander Hall

Default Advisor

R. Wilson

P-20 and Community Leadership (EDD: Doctor of Education) - P-20 and Community Leadership/Ed.S. to Ed.D. Specialization

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

P-20 and Community Leadership (EDD: Doctor of Education) - P-20 and Community Leadership/Ed.S. to Ed.D. Specialization

Degree

EDD: Doctor of Education

CIP Code

130401

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduation Requirements

Students must pass Qualifying Exam before enrolling in ADM 915.

Students must maintain enrollment in ADM 940 until successful defense.

This specialization is eligible for the Ed.S. to Ed.D. bridge. Up to 30 hours may be transferred from an Ed.S. degree to the Ed.D. program. Upon review by the Ed.D. program director and faculty, transferred hours could be assigned in the following areas:

Specialization - up to 18 hrs

Quantitative Research Methods - 3 hrs

Clinical Experiences - up to 6 hrs

Qualitative Research Methods - 3 hrs

The remainder of the required credits for the Ed.D. degree would be taken either on-campus or via distance delivery.

Potential students would be required to complete the Ed.D. program admissions process as well as apply for admission to the Murray State University graduate school.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ADM725 - Advanced Methods of Quantitative Research in Education (3)
    - ADM730 - Advanced Educational Research (3)
    - ADM735 - Institutional Research, Assessment and Accreditation (3)
    - ADM800 - Seminar in Individual Leadership Development (3)
    - ADM810 - Leadership and Ethics in a Diverse Society (3)
    - ADM820 - Foundations of P-20 Education (3)
    - ADM830 - Development of P-20 Learners (3)
    - ADM900 - Clinical Practice: P-20 Leadership (3)
    - ADM910 - Clinical Practice II: P-20 Learner (3)
    - ADM915 - Research Inquiry and Design (3)
    - ADM920 - Dissertation Seminar I (3)
    - ADM930 - Dissertation Seminar II (3)
    - ADM940 - Dissertation Seminar III (1 - 3)
    - MGT801 - Educational Entrepreneurship (3)
  - Specialization Area:
  - Completed at least 18 credits from the following types of courses:
    Approved courses (see Graduation Requirements)

Grand Total Credits: **58 - 60**

Minimum Credential Hours

60

Specialization Contact Information

Program Director: Randy Wilson 3201 Alexander Hall

Default Advisor

R. Wilson

P-20 and Community Leadership (EDD: Doctor of Education) - P-20 and Community Leadership/Postsecondary Specialization

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

P-20 and Community Leadership (EDD: Doctor of Education) - P-20 and Community Leadership/Postsecondary Specialization

Degree

EDD: Doctor of Education

CIP Code

130401

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduation Requirements

Students must pass Qualifying Exam before enrolling in ADM 915.

Students must maintain enrollment in ADM 940 until successful defense.

This specialization is eligible for the Ed.S. to Ed.D. bridge. Up to 30 hours may be transferred from an Ed.S. degree to the Ed.D. program. Upon review by the Ed.D. program director and faculty, transferred hours could be assigned in the following areas:

Specialization - up to 18 hrs

Quantitative Research Methods - 3 hrs

Clinical Experiences - up to 6 hrs

Qualitative Research Methods - 3 hrs

The remainder of the required credits for the Ed.D. degree would be taken either on-campus or via distance delivery.

Potential students would be required to complete the Ed.D. program admissions process as well as apply for admission to the Murray State University graduate school.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ADM725 - Advanced Methods of Quantitative Research in Education (3)
    - ADM730 - Advanced Educational Research (3)
    - ADM735 - Institutional Research, Assessment and Accreditation (3)
    - ADM800 - Seminar in Individual Leadership Development (3)
    - ADM810 - Leadership and Ethics in a Diverse Society (3)
    - ADM820 - Foundations of P-20 Education (3)
    - ADM830 - Development of P-20 Learners (3)
    - ADM900 - Clinical Practice: P-20 Leadership (3)
    - ADM910 - Clinical Practice II: P-20 Learner (3)
    - ADM915 - Research Inquiry and Design (3)
    - ADM920 - Dissertation Seminar I (3)
    - ADM930 - Dissertation Seminar II (3)
    - ADM940 - Dissertation Seminar III (1 - 3)
    - MGT801 - Educational Entrepreneurship (3)
  - Specialization Area:
  - Completed the following:
    - PSE755 - Postsecondary Instructional Support Systems (3)
    - PSE760 - Organization and Operations in Postsecondary Education (3)
  - Completed at least 12 credits from the following types of courses:
    Approved electives

Grand Total Credits: **58 - 60**

Minimum Credential Hours

60

Specialization Contact Information

Program Director: Randy Wilson 3201 Alexander Hall

Default Advisor

R. Wilson

P-20 and Community Leadership (EDD: Doctor of Education) - P-20 and Community Leadership/STEM Specialization

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

P-20 and Community Leadership (EDD: Doctor of Education) - P-20 and Community Leadership/STEM Specialization

Degree

EDD: Doctor of Education

CIP Code

130401

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduation Requirements

Students must pass Qualifying Exam before enrolling in ADM 915.

Students must maintain enrollment in ADM 940 until successful defense.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ADM725 - Advanced Methods of Quantitative Research in Education (3)
    - ADM730 - Advanced Educational Research (3)
    - ADM735 - Institutional Research, Assessment and Accreditation (3)
    - ADM800 - Seminar in Individual Leadership Development (3)
    - ADM810 - Leadership and Ethics in a Diverse Society (3)
    - ADM820 - Foundations of P-20 Education (3)
    - ADM830 - Development of P-20 Learners (3)
    - ADM900 - Clinical Practice: P-20 Leadership (3)
    - ADM910 - Clinical Practice II: P-20 Learner (3)
    - ADM915 - Research Inquiry and Design (3)
    - ADM920 - Dissertation Seminar I (3)
    - ADM930 - Dissertation Seminar II (3)
    - ADM940 - Dissertation Seminar III (1 - 3)
    - MGT801 - Educational Entrepreneurship (3)
  - Specialization Area:
  - Completed the following:
    - STM901 - Professional Studies in STEM Education I (3)
    - STM902 - Professional Studies in STEM Education II (3)
    - STM904 - Contemporary Issues in STEM Policy and Education (3)
  - Completed at least 9 credits from the following types of courses:
    Approved electives

Grand Total Credits: **58 - 60**

Minimum Credential Hours

60

Specialization Contact Information

Program Director: Randy Wilson 3201 Alexander Hall

Default Advisor

R. Wilson

P-20 and Community Leadership (EDD: Doctor of Education) - P-20 and Community Leadership/pK-12 Specialization

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

P-20 and Community Leadership (EDD: Doctor of Education) - P-20 and Community Leadership/pK-12 Specialization

Degree

EDD: Doctor of Education

CIP Code

130401

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduation Requirements

Students must pass Qualifying Exam before enrolling in ADM 915.

Students must maintain enrollment in ADM 940 until successful defense.

This specialization is eligible for the Ed.S. to Ed.D. bridge. Up to 30 hours may be transferred from an Ed.S. degree to the Ed.D. program. Upon review by the Ed.D. program director and faculty, transferred hours could be assigned in the following areas:

Specialization - up to 18 hrs

Quantitative Research Methods - 3 hrs

Clinical Experiences - up to 6 hrs

Qualitative Research Methods - 3 hrs

The remainder of the required credits for the Ed.D. degree would be taken either on-campus or via distance delivery.

Potential students would be required to complete the Ed.D. program admissions process as well as apply for admission to the Murray State University graduate school.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ADM725 - Advanced Methods of Quantitative Research in Education (3)
    - ADM730 - Advanced Educational Research (3)
    - ADM735 - Institutional Research, Assessment and Accreditation (3)
    - ADM800 - Seminar in Individual Leadership Development (3)
    - ADM810 - Leadership and Ethics in a Diverse Society (3)
    - ADM820 - Foundations of P-20 Education (3)
    - ADM830 - Development of P-20 Learners (3)
    - ADM900 - Clinical Practice: P-20 Leadership (3)
    - ADM910 - Clinical Practice II: P-20 Learner (3)
    - ADM915 - Research Inquiry and Design (3)
    - ADM920 - Dissertation Seminar I (3)
    - ADM930 - Dissertation Seminar II (3)
    - ADM940 - Dissertation Seminar III (1 - 3)
    - MGT801 - Educational Entrepreneurship (3)
  - Specialization Area:
  - Completed the following:
    - ADM750 - Philanthropy and Community Engagement: Institutional Advancement in Education (3)
    - ADM755 - The Role of Community Partnerships and Outreach in Education (3)
  - Completed at least 12 credits from the following types of courses:
    Approved electives

Grand Total Credits: **58 - 60**

Minimum Credential Hours

60

Specialization Contact Information

Program Director: Randy Wilson 3201 Alexander Hall

Default Advisor

R. Wilson

Postsecondary Education (MA: Master of Arts)

Program Name

Postsecondary Education

Degree

MA: Master of Arts

CIP Code

130406

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Description

The Master of Arts in Postsecondary Education Administration prepares individuals for careers in 2-year and 4-year postsecondary institutions and fields related to higher education through the service regionally, nationally, and internationally. The curriculum provides students with a foundation of research, administration, leadership, development theory, multicultural and diversity issues, group/team dynamics, and legal/ethical issues. One 150-clock hour internship provides the depth of experience needed for careers in postsecondary education and related fields.

Requirements for Admission

The program is designed for candidates who have a desire to move into leadership positions within a 2-year or 4-year postsecondary institution. The program allows for full-time or part-time study and can be completed in-person or online. If a student desires to complete the degree on a part-time basis, it is strongly recommended that the student be employed in a postsecondary setting to facilitate the completion of Internship requirements. The minimum requirements articulated below qualify applicants for consideration, but do not guarantee admission. Admission is granted on a competitive basis.

Unconditional Admission requirements are as follows:

• an earned bachelor's degree from a regionally accredited institution of higher education with a GPA of 3.0 or above;

• application for admission to the MSU Graduate School;

• application for admission to the Master of Arts in Postsecondary Education Administration program;

• three professional letters of recommendation attesting to leadership ability and scholarship of the applicant;

• two writing samples as defined by the criteria on the application for admission to the Master of Arts in Postsecondary Education Administration program; and

• a successful interview with the graduate faculty (if necessary).

Admission is not based on any sole factor but on a combination of the applicant's academic record and application materials, which describe professional and leadership experiences and academic abilities. Application deadlines will be posted on the Department of Educational Studies, Leadership and Counseling website for each admission cycle. Applicants should obtain a Program Application by contacting the department at www.murraystate.edu/pse or 270-809-2793.

Graduation Requirements

Note: PSE 615 and 616 are prerequisites for PSE 720.

Exit Criteria

Candidates must have

•a 3.0 overall GPA to qualify for graduation

•Verification of the required internship experience

•Successful completion of the capstone research project or case study analysis

Detailed information about these and other policies is available at the Postsecondary Education Administration Program website, www.murraystate.edu/pse.

Program Requirements

- Completed the following:
  - ADM630 - Methods of Research (3)
  - ADM735 - Institutional Research, Assessment and Accreditation (3)
  - CNS635 - Human Development (3)
  - PSE615 - Introduction to Student Affairs in Higher Education (3)
  - PSE616 - College Students in the United States (3)
  - PSE630 - Globalization and Internationalization in Higher Education (3)
  - PSE700 - History and Foundations of American Higher Education (3)
  - PSE710 - Higher Education and the Law (3)
  - PSE740 - Contemporary Issues in Postsecondary Education (3)
  - PSE755 - Postsecondary Instructional Support Systems (3)
  - PSE760 - Organization and Operations in Postsecondary Education (3)
  - PSE720 - Internship I (3)

Grand Total Credits: **36**

Minimum Credential Hours

30

Program Contact Information

Program Coordinator: Ben Littlepage 3201 Alexander Hall

Default Advisor

B. Littlepage

Reading and Writing (MAED: Master of Arts in Education)

Program Name

Reading and Writing

Degree

MAED: Master of Arts in Education

CIP Code

131315

Program Level

Graduate

Department

Early Childhood and Elementary Education

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Accreditations

Kentucky Education Professional Standards Board

Program Requirements

- Complete all of the following
  - Completed the following:
    - EDU631 - Classroom Management and Student Motivation (3)
    - EDU637 - Instruction for Diverse Learners (3)
    - TLE620 - Educational Improvement through Research (3)
  - Reading Concentration:
  - Completed the following:
    - REA612 - Foundations of Literacy (3)
    - REA618 - Content Area Literacy K-12 (3)
    - REA628 - Literacy Assessment (3)
    - REA638 - Assessment and Instruction of Children and Reading Difficulties (3)
    - REA639 - Supervised Practicum in Reading (3)
  - Completed at least 6 credits from the following types of courses:
    Limited reading/writing electives approved in advance by the student's education advisor
  - Completed at least 1 courses of the following types:
    Minimum of one course with a major emphasis on writing must be included

Grand Total Credits: **30**

Minimum Credential Hours

30

Program Contact Information

Department of Early Childhood and Elementary Education 3201 Alexander Hall (270) 809-2500

Default Advisor

C. Islam

School Counseling (MAED: Master of Arts in Education)

Program Name

School Counseling

Degree

MAED: Master of Arts in Education

CIP Code

131101

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Accreditations

Council for the Accreditation of Educator Preparation (CAEP)

Description

The Master of Arts in Education in School Counseling is a 42 credit hour program designed to prepare individuals to work in mental health, consultative, and leadership positions in P-12 school settings.

Requirements for Admission

Admission is not based on any sole factor but on a combination of the applicant's academic record, work experience, potential for becoming an effective and ethical counselor and the match between the program training objectives and the applicant's professional goals.

Applicants must meet Murray State requirements listed in Graduate Admissions as well as submit:

- a MSU Graduate School application;
- an application to the counseling program. The program application may be obtained by contacting the Department of Educational Studies, Leadership and Counseling or on the department's website;
- a written statement of intent reflecting graduate level writing ability;
- three letters of recommendation from people able to address the applicant's potential as a counseling professional;
- a current resume; and
- have an interview with the Counseling Program Admissions Committee.

Note: Admission to the program does not guarantee graduation or certification. The following nonacademic conditions may result in dismissal if they are observed to impair the student's ability to work in class, practicum, or internship settings: 1) personal concerns, 2) interpersonal relationship problems, 3) personal attitudes or values that conflict with effective counseling relationships, and 4) unethical behavior.

Conditional Admission

Conditional admission may be granted to applicants deficient in a single area as space permits. Exceptions will be made on a case-by-case basis. Students admitted conditionally must obtain a minimum grade of *B* in each of their first nine credit hours of program study to gain unconditional status.

Graduation Requirements

A grade of *A* or *B* must be received in CNS 619 to continue in the program.

Exit Criteria

Students must successfully complete the 42-credit hour MAEd in School Counseling courses with no more than two *C*'s or below and a 3.0 GPA, pass the Case Conceptualization, Ethics, and Skills Assessment, pass the oral defense, and pass the exit exam.

Requirements for School Counseling Certificate

The following is required to be recommended for a Provisional School Counseling Certificate (grades P-12).

1. Hold a baccalaureate degree from a regionally accredited college or university.
2. Satisfactorily complete MAEd in School Counseling requirements with a minimum 3.0 GPA.
3. Satisfactorily complete practicum and internship experiences in school counseling as prescribed by state regulations.
4. Pass the Case Conceptualization, Ethics, and Skills Assessment. Eligible for rank change with passing score on the assessment and 33 credit hours of school counseling coursework.
5. Pass exit exam.

Program Requirements

- Completed the following:
  - ADM630 - Methods of Research (3)
  - CNS619 - Foundational Counseling Technique (3)
  - CNS624 - Theories of Counseling (3)
  - CNS635 - Human Development (3)
  - CNS671 - Multicultural Counseling (3)
  - CNS676 - Clinical Diagnosis and Treatment Planning (3)
  - CNS683 - Tests and Measurements (3)
  - CNS686 - Career Counseling (3)
  - CNS692 - Group Counseling (3)
  - CNS720 - Elementary School Counseling (3)
  - CNS725 - Middle/Secondary School Counseling (3)
  - CNS752 - Trauma and Crisis Counseling (3)
  - CNS790 - Practicum (3)
  - CNS794 - Internship I (3 - 6)

Grand Total Credits: **42 - 45**

Minimum Credential Hours

42

Program Contact Information

Samir Patel, Program Coordinator 3201 Alexander Hall

Default Advisor

S. Patel

School Psychology - 6th Year Program

Program Name

School Psychology - 6th Year Program

CIP Code

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Description

This program leads to a standard certificate in school psychology.

Prerequisites are:

• master's degree in a related field (e.g., counseling, psychology, communication disorders, special education) from a regionally accredited institution;

• completion of CNS 619 or equivalent;

• three letters of recommendation;

• written goals statement;

• personal interview;

• GRE (V=146, Q=140; V+Q=286 minimum)

Note: Courses taken in the master's degree may be utilized where appropriate with the approval of the student's advisor.

Graduation Requirements

Completion of the Provisional Certification requirements allows students to do an internship.

Candidates must take PRAXIS specialty area examination in school psychology and obtain a minimum score of 147 before provisional school psychology certification can be awarded.

Candidate must have valid provisional certification in school psychology before internship can be contracted.

Program Requirements

- Complete all of the following
  - Provisional Certification:
  - Completed the following:
    - ADM725 - Advanced Methods of Quantitative Research in Education (3)
    - CNS615 - Behavioral Assessment and Intervention (3)
    - CNS619 - Foundational Counseling Technique (3)
    - CNS620 - Learning Theories and Applications (3)
    - CNS635 - Human Development (3)
    - CNS671 - Multicultural Counseling (3)
    - CNS676 - Clinical Diagnosis and Treatment Planning (3)
    - CNS677 - Instructional Assessment and Intervention (3)
    - CNS683 - Tests and Measurements (3)
    - CNS687 - School-Based Consultation (3)
    - CNS688 - Professional School Psychology (3)
    - CNS689 - Individual Testing (3)
    - CNS690 - Advanced Individual Testing (3)
    - CNS692 - Group Counseling (3)
    - SED603 - Special Education Law and Procedures (3)
    - SED610 - Single-Subject Research Design (3)
  - Earned at least 6 credits from the following:
    - CNS790 - Practicum (3)
  - Standard Certification:
  - Earned at least 6 credits from the following:
    - CNS794 - Internship I (3 - 6)
    - CNS795 - Internship II (3 - 6)

Grand Total Credits: **60**

Minimum Credential Hours

60

Program Contact Information

Counseling Program Program Coordinator: Samir Patel 3201 Alexander Hall

Default Advisor

S. Simons

Social Welfare (Minor)

Program Name

Social Welfare

Degree

Minor

Program Level

Undergraduate

Department

Community Leadership and Human Services

College

College of Education and Human Services

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Social Welfare minors are not permitted to take SWK 301, 302, 310, or any class that required SWK 310 as a pre- or corequisite.

No substitutions/alterations in the curriculum will be permitted without prior written approval of the program director.

Program Requirements

- Complete all of the following
  - Completed the following:
    - SWK102 - Introduction to the Human Services (3)
    - SWK201 - Social Work and Social Welfare (3)
    - SWK225 - Human Diversity (3)
    - SWK350 - Social Welfare Policies and Services (3)
  - Completed at least 3 of the following:
    - SWK230 - Social Work in a Multicultural Society (3)
    - SWK303 - Principles and Methods of Research (3)
    - SWK305 - Services to Older Americans (3)
    - SWK308 - Interviewing Skills for the Human Services (3)
    - SWK336 - Family Violence (3)
    - SWK426 - Spirituality and Social Work Practice (3)
    - SWK427 - Professional Practice in Drug Court (3)
    - SWK428 - History and Philosophy of Drug Court (3)
    - SWK429 - Behavioral Issues in Drug Court Practice (3)

Grand Total Credits: **21**

Social Work (BSW: Bachelor of Social Work)

Program Name

Social Work

Degree

BSW: Bachelor of Social Work

CIP Code

440701

Program Level

Undergraduate

Department

Community Leadership and Human Services

College

College of Education and Human Services

Undergraduate Program Type

Area

Accreditations

Council on Social Work Education (CSWE)

Description

The primary purpose of the social work program is to prepare students for entry-level professional generalist practice as social workers in a variety of social service agencies and organizations. To accomplish this purpose, a well-developed curriculum is offered that is responsive to the social problems and issues confronting society today, providing students with a stimulating and provocative approach to preparing themselves for a social work career. The undergraduate social work program has been accredited by the Council on Social Work Education since 1974.

The social work program is designed to meet the career interests of students in such fields as family and children’s services, health, substance abuse, mental health, aging, education and corrections.

Undergraduate social work practitioners work in such settings as: recreational programs for children; group homes; public and private child welfare programs; public assistance programs; public housing programs; domestic violence shelters; hospitals; nursing homes; home health agencies; programs serving the chronically mentally ill; alcohol/drug rehabilitation and prevention programs; programs serving persons with physical and/or developmental disabilities; senior citizens programs; preschools; elementary and secondary schools; probation and parole; prisons and other court-related programs. Another important function of the program is to provide a sound academic foundation for students entering graduate study in social work or related fields of human service.

Graduation Requirements

Students must earn a minimum grade of *C* in all social work course work. Any social work course with a grade of less than *C* must be repeated.

Students must have a GPA of at least 2.5 in social work program courses, and a minimum overall GPA of 2.5 in order to be graduated.

Field Practicum
In order to be admitted to SWK 499 Field Practicum, a student must

1) have been formally admitted to the social work program;
2) have completed SWK 310, 311, 312, 313, and 498;

3) be successfully reviewed by the social work field education review committee; and

4) must have completed all other course work needed for graduation.

No student is guaranteed a field placement since agencies have final authority to accept or reject a potential student.

Specifically Required University Studies

- Completed the following:
  - CSC199 - Introduction to Information Technology (3)
  - POL140 - American National Government (3)
  - PSY180 - General Psychology (3)
  - SOC133 - Introduction to Sociology (3)

Grand Total Credits: **12**

Program Requirements

- Complete all of the following
  - Completed the following:
    - SWK100T - Transitions (1)
    - SWK190 - Introduction to Social Work (3)
    - SWK201 - Social Work and Social Welfare (3)
    - SWK225 - Human Diversity (3)
    - SWK301 - Human Behavior and the Social Environment I (3)
    - SWK302 - Human Behavior and Social Environment II (3)
    - SWK303 - Principles and Methods of Research (3)
    - SWK303 - Principles and Methods of Research (3)
    - SWK310 - Social Work Practice I (3)
    - SWK311 - Social Work Practice Skills (3)
    - SWK312 - Social Work Practice II (3)
    - SWK313 - Social Work Practice III (3)
    - SWK350 - Social Welfare Policies and Services (3)
    - SWK385 - Social Work in Mental Health Settings (3)
    - SWK498 - Senior Seminar (3)
    - SWK499 - Field Practicum (12)
  - Social Work Electives: Choose two upper division social work (SWK) classes with exception of SWK 500. The other nine hours may be chosen from any SWK courses.
  - Earned at least 15 credits from SWK 100 - 599, excluding:
    - SWK500 - Independent Study (3)
  - Co-Requirements for Area:
  - Students should choose 15 hours from the following prefixes (or any global language course):
  - Earned at least 15 credits from ANT CRJ, FCS, NLS, NTN, PHI, PSY, RGS, SOC, or SWK

Grand Total Credits: **85**

Minimum Credential Hours

120

Program Contact Information

Department of Community Leadership and Human Services 108 Carr Health Building (270) 809-6802

Default Advisor

P. Pittman-Munke

Special Education/Mild Learning and Behavior Disorders P-12 Certification (MAED: Master of Arts in Education)

Program Name

Special Education/Mild Learning and Behavior Disorders P-12 Certification

Degree

MAED: Master of Arts in Education

CIP Code

131001

Program Level

Graduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Accreditations

Kentucky Education Professional Standards Board

Description

This program is designed for individuals certified in general education who want certification in learning and behavior disorders. This program is also for individuals who hold a categorical special education certificate in one or more areas and want learning and behavior disorders certification. Individuals participating in the alternative route to learning and behavior disorders certification program may also apply for admission to this program once they have received their temporary provisional certificate. Admission to the Teacher Education Program must be obtained. This program can also be used by students with a Rank II status to obtain Rank I status.

Program Requirements

- Complete all of the following
  - Completed at least 1 of the following:
    - ADM630 - Methods of Research (3)
    - TLE620 - Educational Improvement through Research (3)
  - Completed the following:
    - CDI635 - Graduate Seminar in Communication Disorders (1 - 3)
    - SED602 - Family-Professional Partnerships (3)
    - SED603 - Special Education Law and Procedures (3)
    - SED605 - Characteristics and Needs of Children and Youth with Mild Disabilities (3)
    - SED606 - Procedures for Classroom Management and Discipline (3)
    - SED608 - Functional Behavior Analysis (3)
    - SED615 - Collaboration Skills for Educators (3)
    - SED625 - Instructional Techniques for Children and Youth with Mild Disabilities (3)
    - SED637 - Advanced Diagnostic Procedures (3)
    - SED690 - Exit Seminar in Special Education (1)
  - Undergraduate Certification Deficiencies: Complete the following course to satisfy undergraduate deficiencies or an approved reading course
  - Completed the following:
    - REA618 - Content Area Literacy K-12 (3)

Grand Total Credits: **32 - 34**

Minimum Credential Hours

30

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

A. Das

Special Education/Moderate to Severe Disabilities P-12 Certification (MAED: Master of Arts in Education)

Program Name

Special Education/Moderate to Severe Disabilities P-12 Certification

Degree

MAED: Master of Arts in Education

CIP Code

131001

Program Level

Graduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Accreditations

Kentucky Education Professional Standards Board

Description

This program is for individuals with any elementary, middle, secondary, special education, or IECE certification who wish to obtain a P-12 certificate in moderate to severe disabilities. This program can also be used by students with a Rank II status to obtain Rank I status.

Graduation Requirements

Note: If any of the course requirements were completed for initial certification, other SED courses will be utilized to complete this program.

Program Requirements

- Complete all of the following
  - Completed at least 1 of the following:
    - ADM630 - Methods of Research (3)
    - TLE620 - Educational Improvement through Research (3)
  - Completed the following:
    - SED602 - Family-Professional Partnerships (3)
    - SED603 - Special Education Law and Procedures (3)
    - SED607 - Transdisciplinary Assessment of Individuals with Moderate/Severe Disabilities (3)
    - SED608 - Functional Behavior Analysis (3)
    - SED609 - Instructional Procedures-Students with MSD (3)
    - SED614 - Advanced Instructional Technology (3)
    - SED631 - Nature and Needs of Individuals with Moderate to Severe Disabilities (3)
    - SED645 - Strategies for Students with Autism (3)
    - SED655 - Special Education Transition (3)
    - SED690 - Exit Seminar in Special Education (1)

Grand Total Credits: **31**

Minimum Credential Hours

30

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

B. Washington

Speech-Language Pathology (MS: Master of Science)

Program Name

Speech-Language Pathology

Degree

MS: Master of Science

CIP Code

510204

Program Level

Graduate

Department

Center for Communication Disorders

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Accreditations

Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language Hearing Association; Council for the Accreditation of Educator Preparation (CAEP)

Description

The accredited graduate program in speech-language pathology emphasizes an evidence-based approach to human communication disorders. Master's degree graduates meet academic
and practicum requirements for ASHA certification (except for the Clinical Fellowship and Praxis in Speech-Language Pathology) and Kentucky state licensure in speech-language pathology. Practicum experiences at the MSU Speech-Language and Hearing Clinic and off-campus provide opportunities to develop skills in the prevention, evaluation, and treatment of communication disorders in relation to the broader biopsychosocial aspects of the human condition.

Requirements for Admission

Applicants must meet the Murray State University requirements (see *Graduate Admissions*). Additional requirements for unconditional admission are as follows.

• Complete application for admission to Murray State University Graduate School by the deadline;
• Complete application to the graduate program in speech-language pathology by the deadline issued by the Center for Communication Disorders;
• A baccalaureate degree in communication disorders or equivalent from a regionally-accredited institution;
• At least a 3.00 undergraduate grade point average;
• Submission of official Graduate Record Examination scores by the program application deadline;
• Successful completion of courses in biology, physics or chemistry, and statistics;
• Successful completion of the following prerequisite courses (or their equivalents) at the time of application:

CDI 310 Anatomy and Physiology of the Speech Mechanism
CDI 315 Speech and Acoustics of Speech
CDI 325 Pediatric Speech Disorders I
CDI 340 Speech and Language Development
CDI 345 Pediatric Language Disorders I
CDI 350 Clinical Phonetics
CDI 405 Hearing and Its Assessment
CDI 451 Maximizing Functional Outcomes for Individuals with Hearing Loss
CDI 465 Neuroanatomy and Physiology for Applied Health Sciences
CDI 470 Pediatric Speech Disorders II
CDI 472 Pediatric Language Disorders II

Additional courses may be required to meet certification and/or graduate degree requirements.
Additional coursework completed prior to graduate study must be approved by the student's advisor and the academic director in order to be used for certification and/or licensure requirements.

Students who are not native speakers of English must demonstrate competence in written and spoken English. This can be done by submitting a satisfactory score on the GRE as well as the TOEFL or IELTS, taken within two years of the date of application. The Graduate Program in Speech-Language Pathology requires a minimum score of 114 on the Internet-based TOEFL (ibT) with no band less than 22 on Reading and Listening, 26 on Speaking, and 24 on Writing. An overall score of 8 is required on the IELTS with no band less than 7.0. The TOEFL or IELTS scores must be on file in the Graduate School prior to receipt of the application for graduate study.

Admission Requirements

- Completed the following:
  - CDI310 - Anatomy and Physiology of the Speech Mechanism (3)
  - CDI315 - Speech and Acoustics of Speech (3)
  - CDI325 - Pediatric Speech Disorders I (3)
  - CDI340 - Speech and Language Development (3)
  - CDI345 - Pediatric Language Disorders I (3)
  - CDI350 - Clinical Phonetics (3)
  - CDI405 - Hearing and Its Assessment (3)
  - CDI410 - Neuroscience for Communication Disorders (3)
  - CDI451 - Introduction to Aural Rehabilitation (3)
  - CDI470 - Pediatric Speech Disorders II (3)
  - CDI472 - Pediatric Language Disorder II (3)

Grand Total Credits: **33**

Graduation Requirements

Other Degree Requirements (Thesis Track)
• Four hundred (400) clock hours of supervised clinical experiences in the practice of speech-language pathology, one of ASHA's certification requirements
• Oral defense and examination of the thesis
• Graduate students in speech-language pathology or graduates of the program interested in teacher certification needs to contact the Director of Teacher Education Services (TES). The individual will work with TES to determine how they can meet teacher certification requirements. Additional coursework may be required.

Other Degree Requirements (Non-Thesis Track)
The Certificate of Clinical Competence (CCC), a nationally recognized credential, requires an applicant for certification to complete a minimum of 400 clock hours of supervised clinical experience in the practice of speech-language pathology (Standard V-C). Twenty-five hours must be spent in clinical observation, and 375 hours must be spent in direct client/patient contact. Successful completion of a Written Comprehensive Examination if
required.

Graduate students in speech-language pathology or graduates of the program interested in teacher certification need to contact the Director of Teacher Education Services (TES). The individual will work with TES to determine how they can meet teacher certification requirements. Additional coursework may be required.

Program Requirements

- Complete 1 of the following
  - Complete all of the following
    - Thesis Requirements:
    - Completed the following:
      - CDI620 - Speech Sound Disorders (3)
      - CDI624 - Assessment and Treatment of Voice (3)
      - CDI625 - Fluency Disorders (3)
      - CDI632 - Acquired Speech and Language Disorders (4)
      - CDI636 - Cognitive-Linguistic Disorders (3)
      - CDI646 - Designing and Applying Research in Speech-Language Pathology (3)
      - CDI647 - Assessment and Intervention in Early Childhood (3)
      - CDI648 - Pediatric Language and Literacy (3)
      - CDI670 - Practicum Seminar (1)
      - CDI674 - Clinical Practicum (1 - 3)
      - CDI686 - Adult and Pediatric Dysphagia (3)
      - CDI698 - Thesis (3)
      - CDI699 - Thesis (3)
    - Professional Semester(s):
    - Completed the following:
      - CDI696 - Professional Issues (2)
    - Completed at least 1 of the following:
      - CDI621 - School-Based Clinical Externship in Speech-Language Pathology (4)
      - CDI641 - Pediatric Clinical Externship in Speech-Language Pathology (4)
    - Completed the following:
      - CDI676 - Medical/Clinical Externship in Speech-Language Pathology I (4)
      - CDI688 - Medical/Clinical Externship in Speech-Language Pathology II (4)
    - Under unusual circumstances, the graduate advisor may substitute CDI 695 or appropriate related coursework for a required course.
  - Complete all of the following
    - Non-Thesis Requirements:
    - Completed the following:
      - CDI620 - Speech Sound Disorders (3)
      - CDI624 - Assessment and Treatment of Voice (3)
      - CDI625 - Fluency Disorders (3)
      - CDI632 - Acquired Speech and Language Disorders (4)
      - CDI636 - Cognitive-Linguistic Disorders (3)
      - CDI646 - Designing and Applying Research in Speech-Language Pathology (3)
      - CDI647 - Assessment and Intervention in Early Childhood (3)
      - CDI648 - Pediatric Language and Literacy (3)
      - CDI670 - Practicum Seminar (1)
      - CDI674 - Clinical Practicum (1 - 3)
      - CDI686 - Adult and Pediatric Dysphagia (3)
      - CDI652 - AAC and Technology for Communication (2)
      - CDI675 - Advanced Clinical Practicum (1 - 3)
    - Professional Semester(s):
    - Completed the following:
      - CDI696 - Professional Issues (2)
    - Completed at least 1 of the following:
      - CDI621 - School-Based Clinical Externship in Speech-Language Pathology (4)
      - CDI641 - Pediatric Clinical Externship in Speech-Language Pathology (4)
    - Completed the following:
      - CDI676 - Medical/Clinical Externship in Speech-Language Pathology I (4)
      - CDI688 - Medical/Clinical Externship in Speech-Language Pathology II (4)
    - Under unusual circumstances, the graduate advisor may substitute CDI 695 or appropriate related coursework for a required course.

Grand Total Credits: **47 - 52**

Minimum Credential Hours

30

Program Contact Information

Center for Communication Disorders 125 Alexander Hall (270) 809-2446

Default Advisor

S. Brown

Standard Certification in School Counseling (Endorsement)

Program Name

Standard Certification in School Counseling

Degree

Endorsement

CIP Code

131101

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Accreditations

Council for the Accreditation of Educator Preparation (CAEP)

Description

According to the Kentucky Education Professional Standards Board (EPSB), standard certification requires:

1) current provisional certification in school counseling (received upon successful completion of an approved master's degree in school counseling);

2) one year of full-time employment as a certified school counselor with a valid Kentucky teaching certificate or two years work experience as a certified school counselor who does not hold a valid Kentucky teaching certificate; and

3) complete an additional six credit hours of approved course work in school counseling. Courses used toward provisional certification cannot be counted toward standard certification.

Requirements for Admission

Submit a copy of provisional certification and a letter from current or past supervisor verifying employment as a school counselor with a graduate application form to Murray State University Graduate Admissions.

Graduation Requirements

Note: Courses taken for standard certification may be applied towards the specialist degree in education or other future certifications if listed in the curriculum.

Program Requirements

- Complete all of the following
  - Completed the following:
    - CNS625 - Legal and Ethical Issues (3)
  - Completed at least 1 of the following:
    - CNS676 - Clinical Diagnosis and Treatment Planning (3)
    - CNS694 - Advanced Counseling and Supervision (3)
    - CNS722 - Substance Use and Addictions Counseling (3)
    - CNS734 - Marriage, Couples, and Family Counseling (3)
    - CNS746 - Wellness and Prevention Approaches (3)
    - CNS748 - Expressive Activities Counseling (3)
    - CNS752 - Trauma and Crisis Counseling (3)
    - CNS760 - Eating Disorders and Body Image Counseling (3)

Grand Total Credits: **6**

Minimum Credential Hours

6

Program Contact Information

Counseling Programs Program Coordinator: Samir Patel 3201 Alexander Hall

Default Advisor

H. Whiteman

Student Affairs (CERT: Certificate)

Program Name

Student Affairs

Degree

CERT: Certificate

CIP Code

130406

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Graduate Certificate

Description

The Certificate in Student Affairs equips individuals with an organizational and theoretical overview applicable to varying institutional types. Topics related to program and service development, student development theory, international student support, and contemporary issues are explored through the curriculum. Although the certificate program is open to individuals who meet the admissions criteria, ideal candidates are those who work or desire to work in the postsecondary education administration field.

Requirements for Admission

Students who hold an undergraduate degree, graduate degree, or those currently enrolled in a graduate program may apply for the Certificate in Student Affairs.

Applicants must comply with Murray State University requirements (see *Graduate Admissions*). Additional requirements for unconditional admission are as follows:

• application to certificate program,

• academic transcripts,

• a written statement of intent for admission into the Certificate in Student Affairs program, and

• a current resume.

Conditional admission will be determined by the Coordinator of the Certificate in Student Affairs.

Graduation Requirements

Other Degree Requirements

Students must complete the 12 credit-hour curriculum and a culminating project to successfully complete the certificate program. The culminating project should be completed during the last semester of the program. Through the culminating project, students will integrate disparate concepts from each of the certificate courses in the form of a synthesized case study. In the culminating project, the student will craft a detailed story of a college student, develop a plan of action that reflects key concepts from the core curriculum, and identify an appropriate theory that would be used to guide a professional in working with the case study subject. Students will discuss the basis for their culminating project with the certificate coordinator.

Program Requirements

- Completed the following:
  - PSE615 - Introduction to Student Affairs in Higher Education (3)
  - PSE616 - College Students in the United States (3)
  - PSE630 - Globalization and Internationalization in Higher Education (3)
  - PSE740 - Contemporary Issues in Postsecondary Education (3)

Grand Total Credits: **12**

Minimum Credential Hours

12

Program Contact Information

Program Coordinator: Ben Littlepage 3201 Alexander Hall

Default Advisor

B. Littlepage

Teacher Education and Professional Development/Middle School (EDS: Specialist in Education)

Program Name

Teacher Education and Professional Development/Middle School

Degree

EDS: Specialist in Education

CIP Code

131206

Program Level

Graduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Program Requirements

- Complete all of the following
  - Completed the following:
    - EDP675 - Advanced Educational Psychology (3)
    - EDU622 - Philosophy of Education (3)
    - EDU798 - Specialty Study (3)
  - Completed at least 1 of the following:
    - Course Not Found
    - Course Not Found
  - Completed at least 15 credits from the following types of courses:
    Courses pre-approved by the student's EdS committee

Grand Total Credits: **24**

Minimum Credential Hours

30

Program Contact Information

Department of Adolescent, Career and Special Education 3200D Alexander Hall (270) 809-2538

Default Advisor

M. Gomez

Teacher Education and Professional Development/Secondary (EDS: Specialist in Education)

Program Name

Teacher Education and Professional Development/Secondary

Degree

EDS: Specialist in Education

CIP Code

131206

Program Level

Graduate

Department

Adolescent, Career and Special Education

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Accreditations

Council for the Accreditation of Educator Preparation (CAEP); Kentucky Education Professional Standards Board

Graduation Requirements

Other Degree Requirements

Defense of specialty study. See MSU/COEHS requirements.

Program Requirements

- Complete all of the following
  - Completed the following:
    - EDP675 - Advanced Educational Psychology (3)
    - EDU622 - Philosophy of Education (3)
    - Course Not Found
  - Earned at least 6 credits from the following:
    - EDU798 - Specialty Study (3)
  - Completed at least 15 credits from the following types of courses:
    Electives: Approved in advance by the student's specialist committee

Grand Total Credits: **27**

Minimum Credential Hours

30

Program Contact Information

Department of Early Childhood and Elementary Education 3201 Alexander Hall (270) 809-2500

Teacher Leader (MA: Master of Arts)

Program Name

Teacher Leader

Degree

MA: Master of Arts

CIP Code

131206

Program Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Graduate Program Type

Graduate Degree

Accreditations

Council for the Accreditation of Educator Preparation (CAEP)

Description

The Master of Arts in Teacher Leader is designed to support teachers' efforts to develop the skills and competencies of the Model Teacher Leader Standards. There are four concentration areas for the MA in Teacher Leader: Advanced Pedagogy, Advanced Learning and Behavior Disorders, Interdisciplinary and Early Childhood Education, and Dual Credit Credentialing.

Requirements for Admission

All applicants must apply to Murray State University through MSU Graduate Admissions. Additionally, applicants should submit the following to the department at elc@murraystate.edu or Teacher Leader Admissions, c/o ELC, 3201 Alexander Hall, Murray, KY 42071:

• proof of an earned bachelor's degree from a regionally accredited institution with a minimum GPA of 2.75,
• an updated resume; and
• a letter of application that identifies the reasons for interest in the program/concentration and aptitude for success.

Admission is based upon a combination of the applicant's academic record and application material.

Conditional Admission

Conditional admission may be granted if an applicant is deficient in a single area but shows academic promise overall.

Graduation Requirements

Exit Criteria

• Verification of a 3.0 GPA in program
• Verification of successful showcase defense
• Verification of successful summative portfolio defense

Minimum Credential Hours

30

Program Contact Information

Program Coordinator: Richard Dodson 3201 Alexander Hall

Default Advisor

S. Bloomdahl

Teacher Leader (MA: Master of Arts) - Teacher Leader: Advanced Learning and Behavior Disorders Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Teacher Leader (MA: Master of Arts) - Teacher Leader: Advanced Learning and Behavior Disorders Concentration

Degree

MA: Master of Arts

CIP Code

131206

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Accreditations

Council for the Accreditation of Educator Preparation (CAEP)

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - TLE600 - Foundations of Teacher Leadership (3)
    - TLE620 - Educational Improvement through Research (3)
    - TLE630 - Teacher Leadership in the Schools and Community (3)
    - TLE640 - Teacher Leadership Showcase (3)
    - SED613 - Advanced Behavior Support (3)
    - SED614 - Advanced Instructional Technology (3)
    - SED655 - Special Education Transition (3)
  - Completed at least 3 credits from the following types of courses: Advisor-approved SED elective
  - Completed at least 6 credits from the following types of courses: Advisor-approved courses supporting the teaching field

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Program Coordinator: Richard Dodson 3201 Alexander Hall

Default Advisor

S. Bloomdahl

Teacher Leader (MA: Master of Arts) - Teacher Leader: Advanced Pedagogy Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Teacher Leader (MA: Master of Arts) - Teacher Leader: Advanced Pedagogy Concentration

Degree

MA: Master of Arts

CIP Code

131206

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Accreditations

Council for the Accreditation of Educator Preparation (CAEP)

Graduation Requirements

With Dean approval, alternative certification candidates may matriculate to the Advanced Pedagogy Concentration upon completion of a Professional Certificate.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - TLE600 - Foundations of Teacher Leadership (3)
    - TLE620 - Educational Improvement through Research (3)
    - TLE630 - Teacher Leadership in the Schools and Community (3)
    - TLE640 - Teacher Leadership Showcase (3)
    - EDU621 - Advanced Methods of Teaching (3)
    - EDU626 - Integration of Educational Technology (3)
    - EDU637 - Instruction for Diverse Learners (3)
    - REA618 - Content Area Literacy K-12 (3)
  - Completed at least 6 credits from the following types of courses:
    Advisor approved courses supporting the teaching field

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Program Coordinator: Richard Dodson 3201 Alexander Hall

Default Advisor

S. Bloomdahl

Teacher Leader (MA: Master of Arts) - Teacher Leader: Career and Technical Education Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Teacher Leader (MA: Master of Arts) - Teacher Leader: Career and Technical Education Concentration

Degree

MA: Master of Arts

CIP Code

131206

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Accreditations

Council for the Accreditation of Educator Preparation (CAEP)

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - TLE600 - Foundations of Teacher Leadership (3)
    - TLE620 - Educational Improvement through Research (3)
    - TLE630 - Teacher Leadership in the Schools and Community (3)
    - TLE640 - Teacher Leadership Showcase (3)
    - CTE665 - Program Planning and Evaluation (3)
    - CTE667 - Emerging Trends in Instructional Technology (3)
    - CTE671 - Philosophy of Career and Technical Education (3)
    - CTE678 - Review of Professional Literature in Career and Technical Education (3)
  - Completed at least 6 credits from the following types of courses:
    Advisor approved courses supporting the teaching field

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Program Coordinator: Richard Dodson 3201 Alexander Hall

Default Advisor

S. Bloomdahl

Teacher Leader (MA: Master of Arts) - Teacher Leader: Dual Credit Credentialing Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Teacher Leader (MA: Master of Arts) - Teacher Leader: Dual Credit Credentialing Concentration

Degree

MA: Master of Arts

CIP Code

131206

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Accreditations

Council for the Accreditation of Educator Preparation (CAEP)

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - TLE600 - Foundations of Teacher Leadership (3)
    - TLE620 - Educational Improvement through Research (3)
    - TLE630 - Teacher Leadership in the Schools and Community (3)
    - TLE640 - Teacher Leadership Showcase (3)
  - Completed at least 18 credits from the following types of courses:
    Approved content courses. Contact elc@murraystate.edu to determine content options. Applicants must have at least a bachelor's degree in the content area. Content faculty will further evaluate applicant's transcripts. The approved course mix will reflect student's needs and interests.

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Program Coordinator: Richard Dodson 3201 Alexander Hall

Default Advisor

S. Bloomdahl

Teacher Leader (MA: Master of Arts) - Teacher Leader: Interdisciplinary Early Childhood Education Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Teacher Leader (MA: Master of Arts) - Teacher Leader: Interdisciplinary Early Childhood Education Concentration

Degree

MA: Master of Arts

CIP Code

131206

Specialization Level

Graduate

Department

Educational Studies, Leadership and Counseling

College

College of Education and Human Services

Accreditations

Council for the Accreditation of Educator Preparation (CAEP)

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - TLE600 - Foundations of Teacher Leadership (3)
    - TLE620 - Educational Improvement through Research (3)
    - TLE630 - Teacher Leadership in the Schools and Community (3)
    - TLE640 - Teacher Leadership Showcase (3)
    - ELE606 - Supporting Children with Challenging Behavior (3)
    - ELE620 - Introduction to the Reggio Approach to Teaching and Learning (3)
    - FCS625 - Advanced Child Development Programs (3)
  - Completed at least 6 credits from the following types of courses:
    Advisor approved courses supporting the teaching field
  - Completed at least 1 of the following:
    - SED602 - Family-Professional Partnerships (3)
    - SED645 - Strategies for Students with Autism (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Program Coordinator: Richard Dodson 3201 Alexander Hall

Default Advisor

S. Bloomdahl

College of Humanities and Fine Arts

American Studies (Minor)

Program Name

American Studies

Degree

Minor

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must come from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed at least 1 of the following:
    - ENG311 - American Literature to 1865 (3)
    - ENG312 - American Literature 1865 to 1945 (3)
  - Completed at least 1 of the following:
    - HIS221 - American Experience to 1865 (3)
    - HIS222 - American Experience Since 1865 (3)
  - Completed the following:
    - POL140 - American National Government (3)
  - Completed at least 4 of the following:
    - ANT329 - North American Indians (3)
    - ANT344 - The Black Experience (3)
    - ARC306 - Landscapes of the National Parks (3)
    - ARC330 - North American Archaeology (3)
    - ARC370 - Archaeology of the Eastern Woodlands (3)
    - ECO200 - Economics and Politics (3)
    - ECO312 - American Economic History (3)
    - EES306 - Landscapes of the National Parks (3)
    - EES320 - Geography of North America (3)
    - ENG245 - The African American Experience in Literature (3)
    - ENG311 - American Literature to 1865 (3)
    - ENG312 - American Literature 1865 to 1945 (3)
    - ENG320 - Survey in African-American Literature (3)
    - ENG410 - Contemporary American Literature (3)
    - ENG413 - American Poetry (3)
    - HIS130 - Sports and Society in Modern America (3)
    - HIS176 - History of the United States Constitution (3)
    - HIS221 - American Experience to 1865 (3)
    - HIS222 - American Experience Since 1865 (3)
    - HIS315 - Women in American History (3)
    - HIS320 - African-American History (3)
    - HIS321 - United States Social and Cultural History Since 1865 (3)
    - HIS322 - History of Religion in the United States (3)
    - HIS323 - The Great American West (3)

- HIS329 - The North American Indians (3)
- HIS330 - Sports in America (3)
- HIS333 - Military History of the United States (3)
- HIS334 - Food and Agriculture in the United States (3)
- HIS335 - America in Revolution (3)
- HIS341 - Civil War and Reconstruction (3)
- HIS381 - Environmental History of the Americas (3)
- HIS421 - United States Social and Cultural History to 1865 (3)
- HIS424 - United States Foreign Relations Since 1898 (3)
- HIS433 - Jacksonian America and Sectional Conflict (3)
- HIS435 - Transformation of America 1877-1929 (3)
- HIS436 - Recent America (3)
- HIS441 - History of the Old South (3)
- HIS442 - History of the New South (3)
- HIS451 - Africa, Slavery and the Diaspora (3)
- LST445 - Constitutional Law I: Development and Trends (3)
- LST447 - Constitutional Law II: Civil Liberties and Civil Rights (3)
- LST485 - Local Government Law (3)
- MIL333 - Military History of the United States (3)
- MUS104 - Introduction to Jazz History (3)
- MUS107 - Introduction to the American Musical Theatre (3)
- NLS306 - Aging in American Society (3)
- PHI310 - American Philosophy (3)
- POL240 - State and Local Politics (3)
- POL341 - Local Governments in Rural Areas and Small Communities (3)
- POL342 - Ethnic Politics (3)
- POL343 - Kentucky Government and Politics (3)
- POL447 - Constitutional Law II: Civil Liberties and Civil Rights (3)
- POL456 - American Foreign Policy (3)
- POL463 - American Political Thought (3)
- POL485 - Local Government Law (3)
- RGS322 - History of Religion in the United States (3)
- SOC331 - The Family (3)
- SOC430 - American Culture (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

Dept Chair

Art (Minor)

Program Name

Art

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Art and Design

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed at least 1 of the following:
    - ART101 - Drawing I: Introduction to Drawing (3)
    - ART111 - Studio Practice (3)
    - ART112 - Studio Research (3)
  - Completed at least 1 of the following:
    - ART121 - Art and Visual Culture (3)
    - ART211 - A Survey of Art from Antiquity to the Baroque (3)
    - ART212 - A Survey of Art from the Enlightenment to the Present (3)
    - ART213 - Art of Global Cultures (3)
  - Completed at least 15 credits from the following types of courses:
    Five additional studio courses (200-level or above), excluding ART 343)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Art and Design 604 Price Doyle Fine Arts Center (270) 809-3784

Default Advisor

Dept Chair

Art History (Minor)

Program Name

Art History

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Art and Design

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed at least 3 of the following:
    - ART121 - Art and Visual Culture (3)
    - ART211 - A Survey of Art from Antiquity to the Baroque (3)
    - ART212 - A Survey of Art from the Enlightenment to the Present (3)
    - ART213 - Art of Global Cultures (3)
  - Completed at least 12 credits from the following types of courses:
    Four additional upper-level art history courses, with advisor approval

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Art and Design 604 Price Doyle Fine Arts Center (270) 809-3784

Default Advisor

Dept Chair

Art/Studio Art Track (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Art/Studio Art Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

500702

Program Level

Undergraduate

Department

Art and Design

College

College of Humanities and Fine Arts

Undergraduate Program Type

Area

Accreditations

National Association of Schools of Art and Design (NASAD)

Graduation Requirements

ART 385, 397, 483 can either be taken for one or the other sequence of three courses. They cannot count for both.

The baccalaureate degree is not awarded automatically upon completion of any required number of courses or units of credit. The progress and status of students in the program are regularly assessed through reviews. All students are required to register for ART 298 the semester after they complete 21 studio credit hours of ART courses. A final review, ART 499, is conducted by a faculty jury in conjunction with fulfilling the senior BA/BS Practicum Exhibition requirement.

Specifically Required University Studies

- Completed the following:
  - ART211 - A Survey of Art from Antiquity to the Baroque (3)
  - ART212 - A Survey of Art from the Enlightenment to the Present (3)

Grand Total Credits: **6**

Program Requirements

- Complete all of the following
  - Completed the following:
    - ART100T - Transitions (1)
    - ART101 - Drawing I: Introduction to Drawing (3)
    - ART111 - Studio Practice (3)
    - ART112 - Studio Research (3)
    - ART201 - Drawing II: Life Drawing (3)
    - ART298 - Mid-Degree Review Seminar (1)
    - ART399 - Professional Practices (1)
    - ART499 - BA/BS Practicum Group Exhibit (1)
  - Completed at least 3 of the following:
    - ART300 - Drawing III (3)
    - ART330 - Introduction to Painting I (3)
    - ART350 - Introduction to Graphic Design I: Digital Art (3)
    - ART379 - Introduction to Printmaking I (3)
    - ART385 - Moving Image: Screen (3)
    - ART393 - Special Topics in 2D (3)
    - ART397 - Introduction to Bookbinding and Artist Books (3)
    - ART483 - Moving Image: Gallery/Intermedia (3)
  - Completed at least 3 of the following:
    - ART309 - Introduction to Metalsmithing I (3)
    - ART310 - Introduction to Woodworking I (3)
    - ART360 - Introduction to Sculpture (3)
    - ART370 - Introduction to Ceramics (3)
    - ART385 - Moving Image: Screen (3)
    - ART394 - Special Topics in 3D (3)
    - ART397 - Introduction to Bookbinding and Artist Books (3)
    - ART483 - Moving Image: Gallery/Intermedia (3)
  - Completed at least 1 of the following:
    - ART315 - Greek and Roman Art (3)
    - ART316 - Medieval Art (3)
    - ART318 - Renaissance Art (3)
    - ART319 - Baroque Art (3)
  - Completed at least 1 of the following:
    - ART328 - Nineteenth-Century Art (3)
    - ART329 - Art from 1900 to 1960 (3)
    - ART430 - Art Since 1960 (3)
  - Completed at least 1 of the following:
    - ART315 - Greek and Roman Art (3)
    - ART316 - Medieval Art (3)
    - ART318 - Renaissance Art (3)
    - ART319 - Baroque Art (3)
    - ART328 - Nineteenth-Century Art (3)
    - ART329 - Art from 1900 to 1960 (3)
    - ART420 - Special Topics in Art History (3)
    - ART425 - Arts of Africa and Asia (3)
    - ART430 - Art Since 1960 (3)
    - ART432 - Museum and Curatorial Studies (3)
    - ART491 - Special Problems in Art History (3)
  - Completed at least 12 credits from the following types of courses:
    Studio Art Track Courses: two sequential courses in the same studio emphasis, above the introductory level, and two additional courses to be selected in consultation with advisor

Grand Total Credits: **55**

Minimum Credential Hours

120

Program Contact Information

Department of Art and Design 604 Price Doyle Fine Arts Center (270) 809-3784

Default Advisor

C. Lavery

Art/Studio Art Track (BA/BS: Bachelor of Arts or Bachelor of Science) - Art/Studio Art - Enhanced Art History Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Art/Studio Art Track (BA/BS: Bachelor of Arts or Bachelor of Science) - Art/Studio Art - Enhanced Art History Track

Degree

BA: Bachelor of Arts

CIP Code

500702

Specialization Level

Undergraduate

Department

Art and Design

College

College of Humanities and Fine Arts

Specialization Type

Area

Accreditations

National Association of Schools of Art and Design (NASAD)

Graduation Requirements

ART 385, 397, 483 can either be taken for one or the other sequence of three courses. They cannot count for both.

An independent study course in the student's area of emphasis is recommended.

Study abroad is strongly recommended.

The baccalaureate degree is not awarded automatically upon completion of any required number of courses or units of credit. The progress and status of students in the program are regularly assessed through reviews. All students are required to register for ART 298 the semester after they complete 21 studio credit hours of ART courses. A final review, ART 499, is conducted by a faculty jury in conjunction with fulfilling the senior BA/BS Practicum Exhibition requirement.

Specifically Required University Studies

- Completed the following:
  - ART211 - A Survey of Art from Antiquity to the Baroque (3)
  - ART212 - A Survey of Art from the Enlightenment to the Present (3)

Grand Total Credits: **6**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ART100T - Transitions (1)
    - ART101 - Drawing I: Introduction to Drawing (3)
    - ART111 - Studio Practice (3)
    - ART112 - Studio Research (3)
    - ART201 - Drawing II: Life Drawing (3)
    - ART298 - Mid-Degree Review Seminar (1)
    - ART399 - Professional Practices (1)
    - ART498 - BFA Practicum Exhibition (3)
  - Completed at least 3 of the following:
    - ART300 - Drawing III (3)
    - ART330 - Introduction to Painting I (3)
    - ART350 - Introduction to Graphic Design I: Digital Art (3)
    - ART379 - Introduction to Printmaking I (3)
    - ART385 - Moving Image: Screen (3)
    - ART393 - Special Topics in 2D (3)
    - ART397 - Introduction to Bookbinding and Artist Books (3)
    - ART483 - Moving Image: Gallery/Intermedia (3)
  - Completed at least 3 of the following:
    - ART309 - Introduction to Metalsmithing I (3)
    - ART310 - Introduction to Woodworking I (3)
    - ART360 - Introduction to Sculpture (3)
    - ART370 - Introduction to Ceramics (3)
    - ART385 - Moving Image: Screen (3)
    - ART394 - Special Topics in 3D (3)
    - ART397 - Introduction to Bookbinding and Artist Books (3)
    - ART483 - Moving Image: Gallery/Intermedia (3)
  - Completed at least 1 of the following:
    - ART315 - Greek and Roman Art (3)
    - ART316 - Medieval Art (3)
    - ART318 - Renaissance Art (3)
    - ART319 - Baroque Art (3)
  - Completed at least 1 of the following:
    - ART328 - Nineteenth-Century Art (3)
    - ART329 - Art from 1900 to 1960 (3)
    - ART430 - Art Since 1960 (3)
  - Complete 1 of the following
    - Completed at least 1 of the following:
      - ART420 - Special Topics in Art History (3)
      - ART425 - Arts of Africa and Asia (3)
      - ART432 - Museum and Curatorial Studies (3)
      - ART491 - Special Problems in Art History (3)
    - Completed at least 1 of the following:
      - ART315 - Greek and Roman Art (3)
      - ART316 - Medieval Art (3)
      - ART318 - Renaissance Art (3)
      - ART319 - Baroque Art (3)
      - ART328 - Nineteenth-Century Art (3)
      - ART329 - Art from 1900 to 1960 (3)
      - ART430 - Art Since 1960 (3)

- Enhanced Art History Track Courses:
- Completed at least 2 courses of the following types:
  Studio Art Electives (two sequential courses in the same studio emphasis above the introductory level)
- Completed at least 1 of the following:
  - ART315 - Greek and Roman Art (3)
  - ART316 - Medieval Art (3)
  - ART318 - Renaissance Art (3)
  - ART319 - Baroque Art (3)
- Completed at least 1 of the following:
  - ART328 - Nineteenth-Century Art (3)
  - ART329 - Art from 1900 to 1960 (3)
  - ART430 - Art Since 1960 (3)
- Completed at least 1 of the following:
  - ART315 - Greek and Roman Art (3)
  - ART316 - Medieval Art (3)
  - ART318 - Renaissance Art (3)
  - ART319 - Baroque Art (3)
  - ART328 - Nineteenth-Century Art (3)
  - ART329 - Art from 1900 to 1960 (3)
  - ART420 - Special Topics in Art History (3)
  - ART425 - Arts of Africa and Asia (3)
  - ART430 - Art Since 1960 (3)
  - ART432 - Museum and Curatorial Studies (3)
  - ART491 - Special Problems in Art History (3)

Grand Total Credits: **54**

Minimum Credential Hours

120

Specialization Contact Information

Department of Art and Design 604 Price Doyle Fine Arts Center (270) 809-3784

Default Advisor

C. Lavery

Art/Studio Art Track (BA/BS: Bachelor of Arts or Bachelor of Science) - Art/Teaching Certification Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Art/Studio Art Track (BA/BS: Bachelor of Arts or Bachelor of Science) - Art/Teaching Certification Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

500702

Specialization Level

Undergraduate

Department

Art and Design

College

College of Humanities and Fine Arts

Specialization Type

Area

Accreditations

National Association of Schools of Art and Design (NASAD); National Council for Accreditation of Teacher Education (NCATE)

Graduation Requirements

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, a public speaking course, ART 341, ART 342, EDU 280, EDU 485, and HUM 180 (or equivalent courses). Additional requirements for admission to teacher education and student teaching must be met. See advisor and/or Office of Teacher Education Services for details.

The baccalaureate degree is not awarded automatically upon completion of any required number of courses or units of credit. The progress and status of students in the program are regularly assessed through reviews. All students are required to register for ART 298 the semester after they complete 21 studio credit hours of ART courses. A final review, ART 499, is conducted by faculty jury in conjunction with fulfilling the senior BA/BS Practicum Exhibition requirement.

ART 342 and SEC 420 must be taken two semesters before student teaching.

EDU 485 and SEC 422 must be taken one semester before student teaching.

Specifically Required University Studies

- Completed the following:
  - ART211 - A Survey of Art from Antiquity to the Baroque (3)
  - ART212 - A Survey of Art from the Enlightenment to the Present (3)
  - ART213 - Art of Global Cultures (3)

Grand Total Credits: **9**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ART100T - Transitions (1)
    - ART101 - Drawing I: Introduction to Drawing (3)
    - ART111 - Studio Practice (3)
    - ART112 - Studio Research (3)
    - ART201 - Drawing II: Life Drawing (3)
    - ART298 - Mid-Degree Review Seminar (1)
    - ART330 - Introduction to Painting I (3)
    - ART399 - Professional Practices (1)
    - ART499 - BA/BS Practicum Group Exhibit (1)
  - Completed at least 2 of the following:
    - ART300 - Drawing III (3)
    - ART350 - Introduction to Graphic Design I: Digital Art (3)
    - ART379 - Introduction to Printmaking I (3)
    - ART382 - Introduction to Photography (3)
    - ART385 - Moving Image: Screen (3)
    - ART393 - Special Topics in 2D (3)
    - ART397 - Introduction to Bookbinding and Artist Books (3)
  - Completed at least 3 of the following:
    - ART309 - Introduction to Metalsmithing I (3)
    - ART310 - Introduction to Woodworking I (3)
    - ART360 - Introduction to Sculpture (3)
    - ART370 - Introduction to Ceramics (3)
    - ART385 - Moving Image: Screen (3)
    - ART394 - Special Topics in 3D (3)
    - ART397 - Introduction to Bookbinding and Artist Books (3)
  - Completed at least 1 of the following:
    - ART315 - Greek and Roman Art (3)
    - ART316 - Medieval Art (3)
    - ART318 - Renaissance Art (3)
    - ART319 - Baroque Art (3)
    - ART328 - Nineteenth-Century Art (3)
    - ART329 - Art from 1900 to 1960 (3)
    - ART420 - Special Topics in Art History (3)
    - ART425 - Arts of Africa and Asia (3)
    - ART430 - Art Since 1960 (3)
    - ART491 - Special Problems in Art History (3)
  - Completed at least 2 courses of the following types:
    Two sequential courses in the same studio emphasis, above the introductory level, with advisor approval
  - Teaching Certification Track Courses:
  - Earned a minimum grade of B in each of the following:
    - ART341 - Inclusive Art Education for Diverse Learners (3)
    - ART342 - Effective Pedagogy of Art Education (3)
    - EDU280 - Educating for Human Development (3)
    - EDU485 - Professional Perspectives for Teaching (1)
    - HUM180 - Explore Teaching in the Humanities (3)
  - Completed the following:
    - ART343 - Materials and Techniques for the Classroom (3)
    - ELE421 - Student Teaching Elementary P-5, IECE (7 - 14)
    - SEC420 - Practicum in Secondary Schools (3)
    - SEC421 - Student Teaching in the Secondary School (7 - 14)
    - SEC422 - Extended Practicum (4)

Grand Total Credits: **74 - 88**

Minimum Credential Hours

120

Specialization Contact Information

Department of Art and Design 604 Price Doyle Fine Arts Center (270) 809-3784

Default Advisor

R. Williams

Art/Studio Art Track (BFA: Bachelor of Fine Arts)

Program Name

Art/Studio Art Track

Degree

BFA: Bachelor of Fine Arts

CIP Code

500702

Program Level

Undergraduate

Department

Art and Design

College

College of Humanities and Fine Arts

Undergraduate Program Type

Area

Accreditations

National Association of Schools of Art and Design (NASAD)

Graduation Requirements

ART 385, 397, 483 can either be taken for one or the other sequence of three courses. They cannot count for both.

The baccalaureate degree is not awarded automatically upon completion of any required number of courses or units of credit. The progress and status of students in the program are regularly assessed through reviews. All students are required to register for ART 298 the semester after they complete 21 studio credit hours of ART courses. After passing ART 298, students may form a BFA jury and track in the BFA requirements. A final review, ART 498, is conducted by BFA jury in conjunction with fulfilling the senior BFA Practicum Exhibition requirement. BFA students must maintain a 3.00 GPA in the area of their studio concentration.

Specifically Required University Studies

- Completed the following:
  - ART211 - A Survey of Art from Antiquity to the Baroque (3)
  - ART212 - A Survey of Art from the Enlightenment to the Present (3)

Grand Total Credits: **6**

Program Requirements

- Complete all of the following
  - Completed the following:
    - ART100T - Transitions (1)
    - ART101 - Drawing I: Introduction to Drawing (3)

        - ART111 - Studio Practice (3)
        - ART112 - Studio Research (3)
        - ART201 - Drawing II: Life Drawing (3)
        - ART298 - Mid-Degree Review Seminar (1)
        - ART399 - Professional Practices (1)
        - ART498 - BFA Practicum Exhibition (3)
    - Completed at least 3 of the following:
        - ART300 - Drawing III (3)
        - ART330 - Introduction to Painting I (3)
        - ART350 - Introduction to Graphic Design I: Digital Art (3)
        - ART379 - Introduction to Printmaking I (3)
        - ART385 - Moving Image: Screen (3)
        - ART393 - Special Topics in 2D (3)
        - ART397 - Introduction to Bookbinding and Artist Books (3)
        - ART483 - Moving Image: Gallery/Intermedia (3)
    - Completed at least 3 of the following:
        - ART309 - Introduction to Metalsmithing I (3)
        - ART310 - Introduction to Woodworking I (3)
        - ART360 - Introduction to Sculpture (3)
        - ART370 - Introduction to Ceramics (3)
        - ART385 - Moving Image: Screen (3)
        - ART394 - Special Topics in 3D (3)
        - ART397 - Introduction to Bookbinding and Artist Books (3)
        - ART483 - Moving Image: Gallery/Intermedia (3)
    - Completed at least 5 courses of the following types:
      Complete five sequential courses from one of the following areas: ceramics, drawing, furniture design/woodworking, graphic design, metalsmithing, painting, photography, printmaking, or sculpture with advisor approval.
    - Completed at least 1 of the following:
        - ART315 - Greek and Roman Art (3)
        - ART316 - Medieval Art (3)
        - ART318 - Renaissance Art (3)
        - ART319 - Baroque Art (3)
    - Completed at least 1 of the following:
        - ART328 - Nineteenth-Century Art (3)
        - ART329 - Art from 1900 to 1960 (3)
        - ART430 - Art Since 1960 (3)
    - Complete 1 of the following
        - Completed at least 1 of the following:
            - ART420 - Special Topics in Art History (3)
            - ART425 - Arts of Africa and Asia (3)
            - ART432 - Museum and Curatorial Studies (3)
            - ART491 - Special Problems in Art History (3)
        - Completed at least 1 of the following:
            - ART315 - Greek and Roman Art (3)
            - ART316 - Medieval Art (3)
            - ART318 - Renaissance Art (3)
            - ART319 - Baroque Art (3)
            - ART328 - Nineteenth-Century Art (3)
            - ART329 - Art from 1900 to 1960 (3)
            - ART430 - Art Since 1960 (3)
    - Studio Art Track Courses:
    - Completed at least 15 credits from the following types of courses:
      Studio Electives (to be selected in consultation with advisor)

Grand Total Credits: **60**

Minimum Credential Hours

120

Program Contact Information

Department of Art and Design 604 Price Doyle Fine Arts Center (270) 809-3784

Default Advisor

C. Lavery

Art/Studio Art Track (BFA: Bachelor of Fine Arts) - Art/Graphic Design Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Art/Studio Art Track (BFA: Bachelor of Fine Arts) - Art/Graphic Design Track

Degree

BFA: Bachelor of Fine Arts

CIP Code

500702

Specialization Level

Undergraduate

Department

Art and Design

College

College of Humanities and Fine Arts

Specialization Type

Area

Accreditations

National Association of Schools of Art and Design (NASAD)

Graduation Requirements

ART 385, 397, 483 can either be taken for one or the other sequence of three courses. They cannot count for both.

The baccalaureate degree is not awarded automatically upon completion of any required number of courses or units of credit. The progress and status of students in the program are regularly assessed through reviews. All students are required to register for ART 298 the semester after they complete 21 studio credit hours of ART courses. After passing ART 298, students may form a BFA jury and track in the BFA requirements. A final review, ART 498, is conducted by BFA jury in conjunction with fulfilling the senior BFA Practicum Exhibition requirement. BFA students must maintain a 3.00 GPA in the area of their studio concentration.

Specifically Required University Studies

- Completed the following:
  - ART211 - A Survey of Art from Antiquity to the Baroque (3)
  - ART212 - A Survey of Art from the Enlightenment to the Present (3)

Grand Total Credits: **6**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ART100T - Transitions (1)
    - ART101 - Drawing I: Introduction to Drawing (3)
    - ART111 - Studio Practice (3)
    - ART112 - Studio Research (3)
    - ART201 - Drawing II: Life Drawing (3)
    - ART298 - Mid-Degree Review Seminar (1)
    - ART350 - Introduction to Graphic Design I: Digital Art (3)
    - ART399 - Professional Practices (1)
    - ART498 - BFA Practicum Exhibition (3)
  - Completed at least 2 of the following:
    - ART300 - Drawing III (3)
    - ART330 - Introduction to Painting I (3)
    - ART379 - Introduction to Printmaking I (3)
    - ART385 - Moving Image: Screen (3)
    - ART393 - Special Topics in 2D (3)
    - ART397 - Introduction to Bookbinding and Artist Books (3)
    - ART483 - Moving Image: Gallery/Intermedia (3)
  - Completed at least 2 of the following:
    - ART309 - Introduction to Metalsmithing I (3)
    - ART310 - Introduction to Woodworking I (3)
    - ART360 - Introduction to Sculpture (3)
    - ART370 - Introduction to Ceramics (3)
    - ART385 - Moving Image: Screen (3)
    - ART394 - Special Topics in 3D (3)
    - ART397 - Introduction to Bookbinding and Artist Books (3)
    - ART483 - Moving Image: Gallery/Intermedia (3)
  - Completed at least 1 of the following:
    - ART315 - Greek and Roman Art (3)
    - ART316 - Medieval Art (3)
    - ART318 - Renaissance Art (3)
    - ART319 - Baroque Art (3)
    - ART328 - Nineteenth-Century Art (3)
    - ART329 - Art from 1900 to 1960 (3)
    - ART420 - Special Topics in Art History (3)
    - ART425 - Arts of Africa and Asia (3)
    - ART430 - Art Since 1960 (3)
    - ART432 - Museum and Curatorial Studies (3)
    - ART491 - Special Problems in Art History (3)
  - Graphic Design Track Courses:
  - Completed the following:
    - ART351 - Graph Design II: Type And Image (3)
    - ART352 - Graph Design III:Layout and Introduction to Design Systems (3)
    - ART358 - History of Modern Design (3)
    - ART451 - Graphic Design IV: System Design (3)
    - ART452 - Graphic Design V: Senior Portfolio (3)
    - ART551 - Graphic Design VI (3)
  - Completed at least 15 credits from the following types of courses:
    Studio Art Track Courses (selected in consultation with advisor)

Grand Total Credits: **69**

Minimum Credential Hours

120

Specialization Contact Information

Department of Art and Design 604 Price Doyle Fine Arts Center (270) 809-3784

Default Advisor

C. Lavery

Art/Studio Art Track (BFA: Bachelor of Fine Arts) - Art/Studio Art - Enhanced Art History Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Art/Studio Art Track (BFA: Bachelor of Fine Arts) - Art/Studio Art - Enhanced Art History Track

Degree

BFA: Bachelor of Fine Arts

CIP Code

500702

Specialization Level

Undergraduate

Department

Art and Design

College

College of Humanities and Fine Arts

Specialization Type

Area

Accreditations

National Association of Schools of Art and Design (NASAD)

Graduation Requirements

ART 385, 397, 483 can either be taken for one or the other sequence of three courses. They cannot count for both.

An independent study course in the student's area of emphasis is recommended.

Study abroad is strongly recommended.

The baccalaureate degree is not awarded automatically upon completion of any required number of courses or units of credit. The progress and status of students in the program are regularly assessed through reviews. All students are required to register for ART 298 the semester after they complete 21 studio credit hours of ART courses. After passing ART 298, students may form a BFA jury and track in the BFA requirements. A final review, ART 498, is conducted by BFA jury in conjunction with fulfilling the senior BFA Practicum Exhibition requirement. BFA students must maintain a 3.00 GPA in the area of their studio concentration.

Specifically Required University Studies

- Completed the following:
  - ART211 - A Survey of Art from Antiquity to the Baroque (3)
  - ART212 - A Survey of Art from the Enlightenment to the Present (3)

Grand Total Credits: **6**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ART100T - Transitions (1)
    - ART101 - Drawing I: Introduction to Drawing (3)
    - ART111 - Studio Practice (3)
    - ART112 - Studio Research (3)
    - ART201 - Drawing II: Life Drawing (3)
    - ART298 - Mid-Degree Review Seminar (1)
    - ART399 - Professional Practices (1)
    - ART498 - BFA Practicum Exhibition (3)
  - Completed at least 3 of the following:
    - ART300 - Drawing III (3)
    - ART330 - Introduction to Painting I (3)
    - ART350 - Introduction to Graphic Design I: Digital Art (3)
    - ART379 - Introduction to Printmaking I (3)
    - ART385 - Moving Image: Screen (3)
    - ART393 - Special Topics in 2D (3)
    - ART397 - Introduction to Bookbinding and Artist Books (3)
    - ART483 - Moving Image: Gallery/Intermedia (3)
  - Completed at least 3 of the following:
    - ART309 - Introduction to Metalsmithing I (3)
    - ART310 - Introduction to Woodworking I (3)
    - ART360 - Introduction to Sculpture (3)
    - ART370 - Introduction to Ceramics (3)
    - ART385 - Moving Image: Screen (3)
    - ART394 - Special Topics in 3D (3)
    - ART397 - Introduction to Bookbinding and Artist Books (3)
    - ART483 - Moving Image: Gallery/Intermedia (3)
  - Completed at least 15 credits from the following types of courses:
    Five sequential courses from one of the following areas: ceramics, drawing, furniture design/woodworking, graphic design, metalsmithing, painting, photography, printmaking, or sculpture with advisor approval.
  - Completed at least 1 of the following:
    - ART315 - Greek and Roman Art (3)
    - ART316 - Medieval Art (3)
    - ART318 - Renaissance Art (3)
    - ART319 - Baroque Art (3)
  - Completed at least 1 of the following:
    - ART328 - Nineteenth-Century Art (3)
    - ART329 - Art from 1900 to 1960 (3)
    - ART430 - Art Since 1960 (3)
  - Complete 1 of the following
    - Completed at least 1 of the following:
      - ART420 - Special Topics in Art History (3)
      - ART425 - Arts of Africa and Asia (3)
      - ART432 - Museum and Curatorial Studies (3)
      - ART491 - Special Problems in Art History (3)
    - Completed at least 1 of the following:
      - ART315 - Greek and Roman Art (3)
      - ART316 - Medieval Art (3)
      - ART318 - Renaissance Art (3)

        - ART319 - Baroque Art (3)
        - ART328 - Nineteenth-Century Art (3)
        - ART329 - Art from 1900 to 1960 (3)
        - ART430 - Art Since 1960 (3)
    - Enhanced Art History Track Courses:
    - Completed at least 2 courses of the following types:
      Studio Art Electives (to be selected in consultation with advisor)
    - Completed at least 1 of the following:
        - ART315 - Greek and Roman Art (3)
        - ART316 - Medieval Art (3)
        - ART318 - Renaissance Art (3)
        - ART319 - Baroque Art (3)
    - Completed at least 1 of the following:
        - ART328 - Nineteenth-Century Art (3)
        - ART329 - Art from 1900 to 1960 (3)
        - ART430 - Art Since 1960 (3)
    - Completed at least 2 of the following:
        - ART315 - Greek and Roman Art (3)
        - ART316 - Medieval Art (3)
        - ART318 - Renaissance Art (3)
        - ART319 - Baroque Art (3)
        - ART328 - Nineteenth-Century Art (3)
        - ART329 - Art from 1900 to 1960 (3)
        - ART420 - Special Topics in Art History (3)
        - ART425 - Arts of Africa and Asia (3)
        - ART430 - Art Since 1960 (3)
        - ART432 - Museum and Curatorial Studies (3)
        - ART491 - Special Problems in Art History (3)

Grand Total Credits: **72**

Minimum Credential Hours

120

Specialization Contact Information

Department of Art and Design 604 Price Doyle Fine Arts Center (270) 809-3784

Default Advisor

C. Lavery

Art/Studio Art Track (BFA: Bachelor of Fine Arts) - Art/Teaching Certification Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Art/Studio Art Track (BFA: Bachelor of Fine Arts) - Art/Teaching Certification Track

Degree

BFA: Bachelor of Fine Arts

CIP Code

500702

Specialization Level

Undergraduate

Department

Art and Design

College

College of Humanities and Fine Arts

Specialization Type

Area

Accreditations

National Association of Schools of Art and Design (NASAD); National Council for Accreditation of Teacher Education (NCATE)

Graduation Requirements

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, a public speaking course, ART 341, ART 342, EDU 280, EDU 485, and HUM 180 (or equivalent courses). Additional requirements for admission to teacher education and student teaching must be met. See advisor and/or Office of Teacher Education Services for details.

The baccalaureate degree is not awarded automatically upon completion of any required number of courses or units of credit. The progress and status of students in the program are regularly assessed through reviews. All students are required to register for ART 298 the semester after they complete 21 studio credit hours of ART courses. After passing ART 298, students may form a BFA jury and track in the BFA requirements. A final review, ART 498, is conducted by BFA jury in conjunction with fulfilling the senior BFA Practicum Exhibition requirement. BFA students must maintain a 3.00 GPA in the area of their studio concentration.

SEC 420 must be taken one semester before student teaching.

Specifically Required University Studies

- Completed the following:
  - ART211 - A Survey of Art from Antiquity to the Baroque (3)
  - ART212 - A Survey of Art from the Enlightenment to the Present (3)
  - ART213 - Art of Global Cultures (3)

Grand Total Credits: **9**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ART100T - Transitions (1)
    - ART101 - Drawing I: Introduction to Drawing (3)
    - ART111 - Studio Practice (3)
    - ART112 - Studio Research (3)
    - ART201 - Drawing II: Life Drawing (3)
    - ART298 - Mid-Degree Review Seminar (1)
    - ART330 - Introduction to Painting I (3)
    - ART399 - Professional Practices (1)
    - ART498 - BFA Practicum Exhibition (3)
  - Completed at least 2 of the following:
    - ART300 - Drawing III (3)
    - ART350 - Introduction to Graphic Design I: Digital Art (3)
    - ART379 - Introduction to Printmaking I (3)
    - ART382 - Introduction to Photography (3)
    - ART385 - Moving Image: Screen (3)
    - ART393 - Special Topics in 2D (3)
    - ART397 - Introduction to Bookbinding and Artist Books (3)
  - Completed at least 3 of the following:
    - ART309 - Introduction to Metalsmithing I (3)
    - ART310 - Introduction to Woodworking I (3)
    - ART360 - Introduction to Sculpture (3)
    - ART370 - Introduction to Ceramics (3)
    - ART385 - Moving Image: Screen (3)
    - ART394 - Special Topics in 3D (3)
    - ART397 - Introduction to Bookbinding and Artist Books (3)
  - Completed at least 1 of the following:
    - ART315 - Greek and Roman Art (3)
    - ART316 - Medieval Art (3)
    - ART318 - Renaissance Art (3)
    - ART319 - Baroque Art (3)
    - ART328 - Nineteenth-Century Art (3)
    - ART329 - Art from 1900 to 1960 (3)
    - ART420 - Special Topics in Art History (3)
    - ART425 - Arts of Africa and Asia (3)
    - ART430 - Art Since 1960 (3)
    - ART491 - Special Problems in Art History (3)
  - Completed at least 15 credits from the following types of courses:
    Five sequential courses from one of the following areas: ceramics, drawing, furniture design/woodworking, graphic design, metalsmithing, painting, photography, printmaking, or sculpture with advisor approval.
  - Teaching Certification Track Courses:
  - Earned a minimum grade of B in each of the following:
    - ART341 - Inclusive Art Education for Diverse Learners (3)
    - ART342 - Effective Pedagogy of Art Education (3)
    - EDU280 - Educating for Human Development (3)
    - EDU485 - Professional Perspectives for Teaching (1)
    - HUM180 - Explore Teaching in the Humanities (3)
  - Completed the following:
    - ART343 - Materials and Techniques for the Classroom (3)
    - ELE421 - Student Teaching Elementary P-5, IECE (7 - 14)
    - SEC420 - Practicum in Secondary Schools (3)
    - SEC421 - Student Teaching in the Secondary School (7 - 14)
    - SEC422 - Extended Practicum (4)

Grand Total Credits: **91 - 105**

Minimum Credential Hours

120

Specialization Contact Information

Department of Art and Design 604 Price Doyle Fine Arts Center (270) 809-3784

Default Advisor

R. Williams

Arts Administration (Minor)

Program Name

Arts Administration

Degree

Minor

Program Level

Undergraduate

Department

Art and Design

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - BUS140 - Foundations of Business (3)
    - NLS300 - Introduction to Nonprofit Management (3)
    - ENG327 - Writing Proposals and Grants (3)
  - Completed at least 1 of the following:
    - ART121 - Art and Visual Culture (3)
    - MUS105 - Introduction to Music History (3)
    - THD104 - The Theatrical Experience (3)
  - Completed at least 1 of the following:
    - JMC391 - Public Relations Principles (3)
    - JMC394 - Introduction to Advertising (3)
  - Earned at least 6 credits from the following:
    - ART344 - Community-Based Art Education (3)
    - JMC391 - Public Relations Principles (3)
    - JMC394 - Introduction to Advertising (3)
    - MUS230 - Introduction to the Music Industry (3)
    - MUS332 - Marketing in the Music Business (3)
    - MUS334 - Artist Management and Development (3)
    - POL470 - Foundations of Public Administration (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Music 504 Price Doyle Fine Arts Center (270) 809-4288

Default Advisor

Dept Chair

BA/BS + MA Accelerated History (4+1) Program (BA/BS + MA: Bachelor of Arts/Bachelor of Science + Master of Arts)

Program Name

BA/BS + MA Accelerated History (4+1) Program

Degree

BA/BS + MA: Bachelor of Arts/Bachelor of Science + Master of Arts

CIP Code

540101

Program Level

Accelerated Program

Department

History

College

College of Humanities and Fine Arts

Description

The Accelerated Bachelor of Arts or Bachelor of Science/Master of Arts (BA/BS+MA) in History allows qualified students to complete requirements for the Bachelor of Arts or Bachelor of Science Major in History and Master of Arts in History in five years (or 138 credit hours) rather than six years (or 150 credit hours). The objectives for both degrees are those described in the *Academic Bulletin*. Students interested in the Accelerated BA/BS + MA in History should plan their coursework carefully from their first semester. In their third year and upon completion of 60 hours of coursework toward the BA or BS in History, qualified undergraduate students may apply for admission to the MA program in History. (See Admission requirements described under the Master of Arts in History in the current *Bulletin*.) Students should complete all University Studies requirements during their first two years and should declare the BA or BS Major in History as their intended undergraduate degree no later than the end of the second year. Students may enroll in graduate courses in History beginning their fourth year, and 12 hours in graduate coursework in History, approved by the Graduate Coordinator of the Department of History, may count toward the Required Limited Electives in the BA or BS in History. The Bachelor of Arts or Bachelor of Science degree in History will be awarded at the end of the fourth year. Students must comply with all requirements for the MA in History. Upon completing these requirements, the student will receive both the BA or BS in History and the MA in History. Admission to and enrollment in this program does not supersede University policies regarding tuition or financial aid.

To be admitted to the 4+1 Accelerated Program, students must:
• have a 3.0 cumulative GPA;
• have a 3.25 cumulative GPA in History courses;
• have completed four history courses at the 300 or 400 level by the end of their third year;
• submit a reflective statement on their interest in and viability for completing the program in the third year to the Graduate Coordinator of the Department of History;
• submit recommendations from at least two faculty members (from the department at Murray State University, if possible) to the department graduate coordinator; and;
• submit a writing sample of at least 12 pages that demonstrates student competence in the field of history (this sample can either be a single, larger assignment or multiple assignments) to the Graduate Coordinator of the Department of History in the third year.
• Students are NOT required to take the GRE.

Minimum Credential Hours

138

Program Contact Information

Graduate Coordinator: David Pizzo 6B Faculty Hall (270) 809-2231

Default Advisor

D. Pizzo

BA + MA Accelerated English Literature (4+1) Program (BA + MA: Bachelor of Arts + Master of Arts)

Program Name

BA + MA Accelerated English Literature (4+1) Program

Degree

BA + MA: Bachelor of Arts + Master of Arts

CIP Code

230101

Program Level

Accelerated Program

Department

English and Philosophy

College

College of Humanities and Fine Arts

Description

The Accelerated Bachelor of Arts/Master of Arts (BA/MA) in English Literature Program allows qualified students to complete requirements for the Bachelor of Arts Area in English/Literature and Master of Arts in English in five years (or 138 credit hours). The objectives for both degrees are those described in the *Academic Bulletin*. Students interested in the Accelerated BA/MA in English Literature should plan their coursework carefully from the first semester. In their third year and upon completion of 60 hours of coursework toward the BA in English, qualified undergraduate students may apply for admission to the MA program in English. (See Admission requirements described under the Master of Arts in English in the current Bulletin.) Students should complete all University Studies requirements during their first two years and should declare the BA Area in English/Literature as their intended undergraduate degree no later than the end of the second year. Students may enroll in graduate courses in English beginning their fourth year, and 12 hours in graduate coursework in literature, approved by the Director of Graduate Studies, may count toward the Required Limited Electives in the BA Area in English/Literature. The Bachelor of Arts degree will be awarded at the end of the fourth year. Students must comply with all requirements for the MA in English. Upon completing these requirements, the student will receive both the BA Area in English/Literature and the MA in English. Admission to and enrollment in this program does not supersede University policies regarding tuition or financial aid.

Minimum Credential Hours

138

Program Contact Information

Graduate Coordinator: Kevin Binfield 7C9 Faculty Hall (270) 809-2401

Default Advisor

K. Binfield

BA + MA Accelerated English/TESOL (4+1) Program (BA + MA: Bachelor of Arts + Master of Arts)

Program Name

BA + MA Accelerated English/TESOL (4+1) Program

Degree

BA + MA: Bachelor of Arts + Master of Arts

CIP Code

Program Level

Accelerated Program

Department

English and Philosophy

College

College of Humanities and Fine Arts

Description

The Accelerated Bachelor of Arts/Master of Arts (BA/MA) in English/TESOL allows qualified students to complete requirements for the Bachelor of Arts Area in English/TESOL (non-certification) and Master of Arts in Teaching English to Speakers of Other Languages in five years (or 141 credit hours). The objectives for both degrees are those described in the *Academic Bulletin*. In their third year and upon completion of 60 hours of coursework toward the BA in English, qualified undergraduate students may apply for admission to the MA program in English with a TESOL concentration. Students should complete all University Studies requirements during their first two years and should declare the BA Area in English/TESOL as their intended undergraduate degree no later than the end of the second year. During their fourth year, students must meet the requirements for the MA in TESOL and may enroll in 12 hours of graduate courses. Upon completing these requirements, the Bachelor of Arts degree will be awarded at the end of the fourth year of study. Admission to and enrollment in this program does not affect University policies regarding the calculation of tuition.

Minimum Credential Hours

141

Program Contact Information

Graduate Coordinator: Latricia Trites 7C9 Faculty Hall (270) 809-2401

Default Advisor

L. Trites

BA + MA Accelerated TESOL (4+1) Program (BA + MA: Bachelor of Arts + Master of Arts)

Program Name

BA + MA Accelerated TESOL (4+1) Program

Degree

BA + MA: Bachelor of Arts + Master of Arts

CIP Code

Program Level

Accelerated Program

Department

English and Philosophy

College

College of Humanities and Fine Arts

Description

The Accelerated Bachelor of Arts/Master of Arts (BA/MA) in TESOL allows qualified students to complete requirements for the Bachelor of Arts Area in English /TESOL (P-12) and Master of Arts in Teaching English to Speakers of Other Languages in five years (or 139-152 credit hours). The objectives for both degrees are those described in the *Academic Bulletin*. In their third year and upon completion of 60 hours of coursework toward the BA in English, qualified undergraduate students may apply for admission to the MA program in TESOL. Students should complete all University Studies requirements during their first two years and should declare the BA Area in English/ TESOL (P-12) as their intended undergraduate degree no later than the end of the second year. During their fourth year, students must meet the requirements for the MA in TESOL and may enroll in 12 hours of graduate courses. upon completing these requirements, the Bachelor of Arts degree will be awarded at the end of the fourth year of study. Admission to and enrollment in this program does not affect University policies regarding the calculation of tuition.

Minimum Credential Hours

139-152

Program Contact Information

Graduate Coordinator: Latricia Trites 7C9 Faculty Hall (270) 809-2401

Default Advisor

L. Trites

British Studies (Minor)

Program Name

British Studies

Degree

Minor

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Students must complete courses from at least two disciplines (i.e., ENG and HIS).

Program Requirements

- Completed at least 7 of the following:
    - AGR306 - Advanced Forward Seat (3)
    - ENG303 - British Literature to 1760 (3)
    - ENG304 - British Literature, 1760 to the Present (3)
    - ENG309 - History of English Language (3)
    - ENG314 - Shakespeare on Film (3)
    - ENG402 - Early English Literature (3)
    - ENG403 - Medieval Drama (3)
    - ENG405 - British Novel to 1830 (3)
    - ENG406 - British Novel Since 1830 (3)
    - ENG411 - Non-Shakespearean Elizabethan-Jacobean Drama (3)
    - ENG415 - Writer's Workshop: Short Story (3)
    - ENG420 - British Romantic Literature (3)
    - ENG427 - Medieval Literature (3)
    - ENG430 - British Poetry and Non-Fictional Prose, 1832 to 1900 (3)
    - ENG436 - Seventeenth-Century British Literature (3)
    - ENG438 - British Fiction, 1832 to 1900 (3)
    - ENG439 - Modern British Literature (3)
    - ENG450 - Sixteenth-Century British Literature (3)
    - HIS201 - Making of Europe, 1500 to the Present (3)
    - HIS304 - The History of Ireland (3)
    - HIS305 - Irish Diaspora (3)
    - HIS313 - Tudor and Stuart England (3)
    - HIS319 - Europe Since 1945 (3)
    - HIS332 - Colonial America to 1763 (3)
    - HIS360 - Modern India (3)
    - HIS410 - Modern Britain and Empire (3)
    - HIS414 - Europe During World War I and World War II (3)
    - POL451 - Government and Politics of Europe (3)
    - POL462 - Modern Political Thought (3)
    - THD346 - Acting Shakespeare (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of History 6B Faculty Hall (270) 809-2231

Default Advisor

Dept Chair

Business Ethics (CERT: Certificate)

Program Name

Business Ethics

Degree

CERT: Certificate

CIP Code

380104

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Certificate

Program Requirements

- Complete all of the following
  - Complete 1 of the following
    - Completed the following:
      - PHI142 - Philosophy-The Big Questions (3)
    - Completed the following:
      - PHI201 - Introduction to Philosophy (3)
  - Completed the following:
    - PHI202 - Ethics (3)
    - PHI212 - Contemporary Ethical Problems (3)
    - BAC442 - Business Ethics and Environments (3)

Grand Total Credits: **12**

Minimum Credential Hours

12

Chinese Language and Culture (CERT: Certificate)

Program Name

Chinese Language and Culture

Degree

CERT: Certificate

CIP Code

160301

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Certificate

Graduation Requirements

Note: The department strongly recommends that students study abroad.

Program Requirements

- Complete all of the following
  - Completed the following:
    - CHN101 - Elementary Chinese I (3)
    - CHN102 - Elementary Chinese II (3)
    - CHN201 - Intermediate Chinese I (3)
  - Completed at least 1 of the following:
    - CHN202 - Intermediate Chinese II (3)
    - CHN210 - Intermediate Conversational Chinese (3)
  - Earned a minimum grade of C in each of the following:
    - CHN340 - Chinese Diversity Through Food (3)
  - Completed at least 1 of the following:
    - CHN305 - Understanding China: Traditions and Trends (3)
    - CHN310 - Chinese Conversation and Composite Abroad (3)
    - CHN314 - Chinese Culture Abroad (3)
    - CHN451 - Directed Study (1 - 3)

Grand Total Credits: **16 - 18**

Minimum Credential Hours

12

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

Dept Chair

Chinese Studies (Minor)

Program Name

Chinese Studies

Degree

Minor

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

The department strongly recommends that minors study abroad for at least one summer.

Program Requirements

- Complete all of the following
  - Completed the following:
    - CHN101 - Elementary Chinese I (3)
    - CHN102 - Elementary Chinese II (3)
    - CHN201 - Intermediate Chinese I (3)
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - CHN202 - Intermediate Chinese II (3)
    - Completed the following:
      - CHN210 - Intermediate Conversational Chinese (3)
  - Earned a minimum grade of C in each of the following:
    - CHN305 - Understanding China: Traditions and Trends (3)
    - CHN340 - Chinese Diversity Through Food (3)
  - Completed at least 3 credits from the following types of courses: Approved Electives

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

Dept Chair

Clinical Psychology (MA/MS: Master of Arts or Master of Science)

Program Name

Clinical Psychology

Degree

MA/MS: Master of Arts or Master of Science

CIP Code

422801

Program Level

Graduate

Department

Psychology

College

College of Humanities and Fine Arts

Graduate Program Type

Graduate Degree

Accreditations

Master's in Psychology and Counseling Accreditation Council (MPCAC)

Description

The curricula in the psychology graduate programs have been developed to provide exposure to the breadth of psychology as well as intensive study of those areas which are currently of greatest concern in the field. In addition, work in statistics and research design is provided and participation in research is encouraged. The program in clinical psychology is approved by the Masters in Psychology and Counseling Accreditation Council (MPCAC). Psychology graduate courses are offered on a regularly scheduled rotation. Assuming no undergraduate course deficiencies, it is possible for a student to complete either degree program in two years.

Requirements for Admission

The deadline for submission of applications is April 5. Early submission of applications is encouraged, as admission is competitive. Applications arriving after April 5 will be considered only if space is available. Applicants must meet the Murray State University requirements (see *Graduate Admissions*).

Additional requirements for unconditional and conditional admission are as follows:

For non-native speakers of English, a minimum IELTS score of 6.5. Applications arriving after March 15 will be considered only if space is available. Applicants must meet the Murray State University requirements (see *Graduate Admissions*). Additional requirements for unconditional and conditional admission are as follows. For non-native speakers of English, a minimum IELTS score of 6.5, a paper-based TOEFL score of 550, an internet-based TOEFL score of 88, or a previous degree earned from an accredited United States institution is required.

Unconditional

• A minimum of 15 undergraduate credit hours in psychology, including courses in research methods and statistics or their equivalent.
• A grade point average of 3.0 or higher overall and in psychology courses.
• Official score report of the Graduate Record Examination.
• Three letters of recommendation.
• A written statement of purpose for entering graduate work in psychology.
• For the general experimental program, a statement of personal research interests.

Conditional

The Department of Psychology does not normally admit students who fail to meet the university requirements for unconditional admission (see Graduate Admissions). However, students who otherwise meet those standards but lack the prerequisite undergraduate courses in psychology are encouraged to enroll in those classes as irregular or unclassified students. Such students should contact the department chairperson.

In some cases, students lacking only one or two undergraduate prerequisite courses may be admitted with the understanding that they must complete those undergraduate courses along with their graduate courses.

Note: Admission into the Department of Psychology graduate programs obligates students to adhere to the ethical standards of the American Psychological Association as well as the academic conduct principles and the interpersonal skills policies of the department. Any violation of these is cause for dismissal from the program. In the case of the clinical program, the department reserves the right to deny admission to or discontinue the training of any student who in the judgment of the department’s graduate training committee would not be able to function competently in the profession of clinical psychology.

Graduation Requirements

Additional Degree Requirements

The Department of Psychology has set the following additional requirements for academic performance by students in its graduate programs; these requirements are separate from the minimum university regulations for scholastic probation governing graduate students.

A graduate student will be placed on probation with his/her graduate program if he/she has completed nine or more semester hours of graduate coursework with a grade point average of less than 3.00 or he/she has earned a grade of *C* or lower in a required graduate course.

A graduate student who is placed on probation in his/her graduate program must show the following improvements during the fall or spring term immediately following the term in which the student was placed on program probation: he/she must earn grades of *B* or above in all graduate courses and must improve his/her cumulative grade point average.

A graduate student who has been placed on probation in his/her graduate program and who fails to achieve both of these criteria for improvement will be dismissed from the program.

A graduate student who has been dismissed from his/her program for failure to meet these requirements may appeal in wiring to the Psychology Department Graduate Training Committee for readmission.

Other Degree Requirements

- Comprehensive examination over the clinical coursework
- Oral defense and examination of the thesis
- Competency in an approved foreign language (MA only)
- Attendance at case conference (PSY 666) for four semesters

Program Requirements

- Complete all of the following
  - Foundations of Behavior:
  - Completed the following:
    - PSY620 - Graduate Seminar in Professional and Ethical Issues (1)
    - PSY621 - Biological Bases of Behavior (3)
    - PSY622 - Cognitive Bases of Behavior (3)
    - PSY623 - Social Bases of Behavior (3)
    - PSY624 - Developmental Base of Behavior (3)
  - Clinical Foundations:
  - Completed the following:
    - PSY645 - Clinical Measurement and Evaluation I (3)
    - PSY664 - Psychopathology (3)
    - PSY665 - Clinical Measurement and Evaluation II (3)
    - PSY670 - Psychotherapeutic Procedures (3)
  - Earned at least 6 credits from the following:
    - PSY667 - Practicum in Psychology (3)
  - Completed at least 2 of the following:
    - PSY671 - Behavior Modification (3)
    - PSY672 - Family Therapy (3)
    - PSY682 - Child Clinical Psychology (3)
    - PSY686 - Group Psychotherapy Techniques (3)
  - Research Foundations:
  - Completed the following:
    - PSY651 - Correlational Research Design and Statistics (3)
    - PSY652 - Univariate Research Design and Statistics (3)
    - PSY698 - Thesis (3)
    - PSY699 - Thesis (3)

Grand Total Credits: **49**

Minimum Credential Hours

30

Program Contact Information

Department of Psychology 212A Wells Hall (270) 809-2851

Default Advisor

J. Hackathorn

Cognitive Science (Minor)

Program Name

Cognitive Science

Degree

Minor

Program Level

Undergraduate

Department

Psychology

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Psychology majors may substitute any two electives from this list for PSY 180 and PSY 415. Courses taken for the psychology major may not count toward the minor.

Other relevant ANT, BIO, CSC, MAT, PHI, or PSY courses may be substituted for the listed courses with the approval of the department chair.

Program Requirements

- Complete all of the following
  - Completed the following:
    - CSC101 - Introduction to Problem Solving Using Computers (3)
    - PHI184 - Logic, Language, and Truth (3)
    - PSY180 - General Psychology (3)
    - PSY415 - Physiological Psychology (3)
  - Completed at least 1 of the following:
    - ENG310 - Introduction to English Linguistics (3)
    - PSY326 - Psychology of Language (3)
  - Completed at least 2 of the following:
    - ANT140 - Exploring World Cultures (3)
    - ANT325 - Biological Anthropology (3)
    - BIO305 - Introduction to Evolutionary Principles (3)
    - BIO325 - Biological Anthropology (3)
    - BIO460 - Principles of Biomathematics (3)
    - BIO528 - Neurobiology (3)
    - BIO538 - Animal Behavior (3)
    - CSC370 - Introduction to Artificial Intelligence (3)
    - ENG310 - Introduction to English Linguistics (3)
    - MAT460 - Principles of Biomathematics (3)
    - MAT506 - Mathematical Modeling I (3)
    - MAT508 - Introduction to Combinatorics (3)
    - MAT528 - Introduction to Game Theory (3)
    - PHI201 - Introduction to Philosophy (3)
    - PHI202 - Ethics (3)
    - PSY229 - Psychology of Social Influence (3)
    - PSY321 - Sensation and Perception (3)
    - PSY326 - Psychology of Language (3)
    - PSY327 - Problem-Solving and Decision-Making (3)
    - PSY405 - Industrial and Organizational Psychology (3)
    - PSY414 - Psychology of Learning and Memory (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Psychology 212A Wells Hall (270) 809-2851

Default Advisor

Dept Chair

Community-Based Art Education (CERT: Certificate)

Program Name

Community-Based Art Education

Degree

CERT: Certificate

CIP Code

131302

Program Level

Undergraduate

Department

College of Humanities and Fine Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Certificate

Description

The Community-Based Art Education Certificate is designed for students who are interested in teaching in non-school settings or for students who would like to learn more about education before committing to the art/teaching certification track. Based on the student's body of artwork, teaching experience, and other skills, this certificate could help a student stand out when applying for a teaching position in a museum, community center, or alternative learning space.

Graduation Requirements

A minimum grade of *C* is required in all courses to receive the certificate.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ART101 - Drawing I: Introduction to Drawing (3)
    - ART341 - Inclusive Art Education for Diverse Learners (3)
    - ART343 - Materials and Techniques for the Classroom (3)
    - ART344 - Community-Based Art Education (3)
  - Completed at least 1 of the following:
    - ART330 - Introduction to Painting I (3)
    - ART360 - Introduction to Sculpture (3)
    - ART370 - Introduction to Ceramics (3)

Grand Total Credits: **15**

Minimum Credential Hours

12

Program Contact Information

Department of Art and Design 604 Price Doyle Fine Arts Center (270) 809-3784

Default Advisor

Dept Chair

Creative Writing (Minor)

Program Name

Creative Writing

Degree

Minor

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ENG201 - Introduction to Literature (3)
    - ENG214 - Introduction to Creative Writing (3)
  - Earned at least 9 credits from the following:
    - ENG341 - Introduction to Writing Fiction (3)
    - ENG342 - Introduction to Writing Poetry (3)
    - ENG343 - Special Topics in Creative Writing (3)
    - ENG344 - Introduction Writing Creative Non-Fiction (3)
    - ENG408 - Forms of Fiction (3)
    - ENG415 - Writer's Workshop: Short Story (3)
    - ENG416 - Writer's Workshop: Poetry (3)
    - ENG424 - Forms of Poetry (3)
    - ENG488 - Cooperative Education/Editorial Internship (3)
    - ENG560 - Advanced Creative Writing: Fiction (3)
    - ENG561 - Advanced Creative Writing: Poetry (3)
  - Earned at least 6 credits from ENG 300 - 599

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

Dept Chair

Creative Writing (MFA: Master of Fine Arts)

Program Name

Creative Writing

Degree

MFA: Master of Fine Arts

CIP Code

231302

Program Level

Graduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Graduate Program Type

Graduate Degree

Description

The M.F.A. in Creative Writing (low-residency program) offers advanced instruction to creative writers whose circumstances prohibit them from pursuing a traditionally structured course of graduate study. The M.F.A. offers possible concentrations in fiction, poetry, and creative nonfiction. The degree requires four 9-day residencies at Murray State University, offered twice annually; most of the curriculum requirements are satisfied via distance learning. Each tutorial must be accompanied by a residency.

Requirements for Admission

Applicants must comply with the Murray State University requirements (see *Graduate Admissions*). Additional requirements for admission are:

• a baccalaureate degree with a major, minor, or evidence of sufficient study in literature;
• committee approval based on the following factors:
-writing sample in an appropriate genre (see below)
-GPA at previous undergraduate and/or graduate programs
-two letters of recommendation.
-a personal essay (200-300 words) addressing the applicant’s experiences and goals as a writer
-preparation and experience as demonstrated in a personal statement.

Submission of Writing Sample

All applicants must declare a specialization in fiction, poetry, or creative nonfiction and submit electronically a writing sample within the chosen genre. The writing sample may be composed of one or multiple works. Prose samples should be double-spaced, and all samples should be typed in a legible font: fiction 20-30 pages; creative nonfiction 20-30 pages; poetry, 15-20 pages. Applicants who would like to be considered in more than one genre should submit multiple writing samples. The 200-300 word personal statement should address the student’s experiences and goals as a writer. The writing sample and personal statement should be included in the same Word document and emailed as an attachment to msu.mfaadmissions@murraystate.edu with the subject heading Application Materials. Writing samples are not returnable.

Graduation Requirements

Other Requirements
The creative thesis is the final body of work produced and submitted by the M.F.A. student. The thesis semester culminates in an oral thesis defense. A student's enrollment in ENG 668 is subject to the approval of the M.F.A. Director and the student's present and past mentors. If the M.F.A. Director, in consultation with the student's present and past mentors, determines that the student is not ready to enter the thesis semester, the student must enroll in both another residency and another tutorial in the chosen genre. After completing ENG 668, each student must enroll in ENG 669, a final residency, during which he/she will give a teaching presentation, read publicly from the thesis, attend a post-thesis defense meeting, and finalize thesis revisions.

Program Requirements

- Complete all of the following
  - Three semesters of the following. Students are generally required to take three sections in their chosen genre: fiction, poetry, or creative nonfiction. With the permission of the M.F.A. Director, students may take two residency/tutorial sequences in their chosen genre and one in another genre.
  - Earned at least 18 credits from the following:
    - ENG661 - Fiction Tutorial (6)
    - ENG662 - Poetry Tutorial (6)
    - ENG663 - Creative Non-Fiction Tutorial (6)
  - Four semesters of the following. Students are generally required to take four residency/tutorial sequences in chosen genre: fiction, poetry, or creative nonfiction. With the permission of the M.F.A.Director, students may take three sections in their chosen genre and one in another genre. Note: One of the four residencies precedes ENG 668.
  - Earned at least 12 credits from the following:
    - ENG665 - Fiction Residency (3)
    - ENG666 - Poetry Residency (3)
    - ENG667 - Creative Non-Fiction Residency (3)
  - Required Courses:
  - Completed the following:
    - ENG664 - Field Study (3)
    - ENG668 - Creative Thesis (6)
    - ENG669 - Thesis Residency (1)
  - Required Electives:
  - Completed at least 3 credits from the following types of courses: Graduate-level contemporary literature course
  - Completed at least 6 credits from the following types of courses: Graduate-level literature courses

Grand Total Credits: **49**

Minimum Credential Hours

49

Program Contact Information

Graduate Coordinator: Ann Neelon 7C9 Faculty Hall (270) 809-2401

Default Advisor

A. Neelon

Creative Writing (BFA: Bachelor of Fine Arts)

Program Name

Creative Writing

Degree

BFA: Bachelor of Fine Arts

CIP Code

231302

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Area

Graduation Requirements

The Bachelor of Fine Arts degree is not awarded automatically upon completion of any required number of courses or units of credit. Students must be admitted to this program. To apply, students must submit an application available from the creative writing coordinator; students must have a minimum grade of *B* in a creative writing course at Murray State and must submit a writing sample, to be reviewed by a committee.

Specifically Required University Studies

- Completed the following:
  - ENG201 - Introduction to Literature (3)
  - ENG214 - Introduction to Creative Writing (3)

Grand Total Credits: **6**

Program Requirements

- Complete all of the following
  - Completed the following:
    - ENG100T - Transitions (1)
  - One of the following Historical Foundations requirements:
  - Complete all of the following
    - Completed the following:
      - ENG303 - British Literature to 1760 (3)
      - ENG312 - American Literature 1865 to 1945 (3)
    - Completed the following:
      - ENG304 - British Literature, 1760 to the Present (3)
      - ENG311 - American Literature to 1865 (3)
  - One of the following Writing/Theory courses:
  - Completed at least 1 of the following:
    - ENG321 - Research in Literary Studies (3)
    - ENG322 - Rhetorical and Professional Writing (3)
    - TSL421 - Research in Second Language Learning and Teaching (3)
  - One of the following Language Systems courses:
  - Completed at least 1 of the following:
    - ENG309 - History of English Language (3)
    - ENG310 - Introduction to English Linguistics (3)
  - One of the following Genre courses:
  - Completed at least 1 of the following:
    - ENG360 - Literature and Philosophy (3)
    - ENG380 - Advanced Genre Study in Poetry and Poetics (3)
    - ENG381 - Advanced Genre Study in Drama (3)
    - ENG382 - Advanced Genre Study in Fiction (3)
  - One of the following Diversity courses:
  - Completed at least 1 of the following:

        - ENG308 - World Literature, 1830 to the Present (3)
        - ENG318 - Women's Literature (3)
        - ENG319 - Gay and Lesbian Literature (3)
        - ENG320 - Survey in African-American Literature (3)
        - ENG362 - Linguistic Diversity Across Cultures (3)
    - One of the following Figures and Movements courses:
    - Completed at least 1 of the following:
        - ENG332 - Contemporary Rhetoric and the Written Argument (3)
        - ENG334 - Shakespeare (3)
        - ENG335 - Major Authors (3)
        - PHI498 - Major Figures (3)
    - Limited Required Electives:
    - Earned at least 6 credits from the following:
        - ENG408 - Forms of Fiction (3)
        - ENG415 - Writer's Workshop: Short Story (3)
        - ENG416 - Writer's Workshop: Poetry (3)
        - ENG424 - Forms of Poetry (3)
        - ENG560 - Advanced Creative Writing: Fiction (3)
        - ENG561 - Advanced Creative Writing: Poetry (3)
    - Earned at least 12 credits from the following:
        - ENG341 - Introduction to Writing Fiction (3)
        - ENG342 - Introduction to Writing Poetry (3)
        - ENG343 - Special Topics in Creative Writing (3)
        - ENG344 - Introduction Writing Creative Non-Fiction (3)
        - ENG408 - Forms of Fiction (3)
        - ENG415 - Writer's Workshop: Short Story (3)
        - ENG416 - Writer's Workshop: Poetry (3)
        - ENG424 - Forms of Poetry (3)
        - ENG560 - Advanced Creative Writing: Fiction (3)
        - ENG561 - Advanced Creative Writing: Poetry (3)
    - Restricted Electives:
    - Completed the following:
        - ENG562 - BFA Senior Seminar (1)
    - Completed at least 6 credits from the following types of courses: 300-500 level literature courses
    - Completed at least 3 credits from the following types of courses: Creative writing course
    - Completed at least 1 of the following:
        - ENG392 - Professional Engagement (1 - 6)
        - ENG488 - Cooperative Education/Editorial Internship (3)

Grand Total Credits: **57 - 62**

Minimum Credential Hours

120

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

C. Jerrell

Culture and Language Studies/Chinese Track (BA: Bachelor of Arts)

Program Name

Culture and Language Studies/Chinese Track

Degree

BA: Bachelor of Arts

CIP Code

160199

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Major

Graduation Requirements

Note: Intermediate level modern language courses completed as part of the major or minor also satisfy modern language requirements for the B.A. Passing scores on the third year proficiency exams are required for entry into GLT 400.

Note: The department strongly recommends that majors study abroad for at least one summer.

Program Requirements

- Complete all of the following
  - See advisor for assistance in selected courses best suited for the Chinese Track.
  - Completed the following:
    - GLT100T - Transitions (1)
    - GLT400 - Senior Seminar (3)
    - GLT401 - Principles of Translation and Interpretation (3)
  - Completed at least 1 of the following:
    - CHN201 - Intermediate Chinese I (3)
    - FRE201 - Intercultural Communications in French (3)
    - GER201 - Intercultural Communications in German (3)
  - Completed at least 1 of the following:
    - ART211 - A Survey of Art from Antiquity to the Baroque (3)
    - ART212 - A Survey of Art from the Enlightenment to the Present (3)
    - ART213 - Art of Global Cultures (3)
    - MUS108 - Introduction to World Music (3)
    - THD118 - World Theatre (3)
    - THD344 - Theatre History and Literature II (3)
  - Completed at least 1 of the following:
    - ANT140 - Exploring World Cultures (3)
    - EES110 - World Geography (3)
    - HUM215 - Humanities in the Contemporary World: Border Crossings (3)
  - Completed at least 1 of the following:
    - ENG305 - Survey of World Literature, 1700-1945 (3)
    - ENG307 - World Literature to 1830 (3)
    - ENG308 - World Literature, 1830 to the Present (3)
    - ENG315 - Global Cinema (3)
  - Completed at least 1 of the following:
    - HIS311 - Modern France (3)
    - HIS312 - Modern Germany (3)
    - HIS472 - Modern China (3)
  - Completed at least 1 of the following:
    - ARC320 - Human Ecology (3)
    - ARC321 - Ancient Civilizations (3)
    - ARC389 - Archaeology and Political Ecology of Empires (3)
    - EES330 - Economic Geography (3)
    - HIS309 - Survey of World Religions (3)
    - HIS316 - Women and Gender in World History (3)
  - Limited Electives:
  - Completed the following:
    - CHN101 - Elementary Chinese I (3)
    - CHN102 - Elementary Chinese II (3)
    - CHN202 - Intermediate Chinese II (3)
    - CHN305 - Understanding China: Traditions and Trends (3)
    - CHN340 - Chinese Diversity Through Food (3)
  - Approved Electives:
  - Completed the following:
    - CHN451 - Directed Study (1 - 3)
  - Up to 6 credits from Directed Study or Education Abroad
  - Completed at least 21 credits from the following types of courses:
    Required Minor

Grand Total Credits: **62 - 64**

Minimum Credential Hours

120

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

J. Wu

Culture and Language Studies/French Track (BA: Bachelor of Arts)

Program Name

Culture and Language Studies/French Track

Degree

BA: Bachelor of Arts

CIP Code

160199

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Major

Graduation Requirements

Note: Intermediate level modern language courses completed as part of the major or minor also satisfy modern language requirements for the B.A. All majors and minors, including those who score at or above the 301 level on the Placement Exam, will be required to take FRE 301, 302, or 331. These are gateway courses to the upper-level culture and literature courses. A minimum grade of *C* is required in the gateway course. Passing scores on the third-year proficiency exams are required for entry into GLT 400.

Note: The department strongly recommends that majors study abroad for at least one summer.

Credit for FRE 101 and 102 may not be used for the major but will count toward graduation.

Program Requirements

- Complete all of the following
  - See advisor for assistance in selected courses best suited for the French Track.
  - Completed the following:
    - GLT100T - Transitions (1)
    - GLT400 - Senior Seminar (3)
    - GLT401 - Principles of Translation and Interpretation (3)
  - Completed at least 1 of the following:
    - CHN201 - Intermediate Chinese I (3)
    - FRE201 - Intercultural Communications in French (3)
    - GER201 - Intercultural Communications in German (3)
  - Completed at least 1 of the following:
    - ART211 - A Survey of Art from Antiquity to the Baroque (3)
    - ART212 - A Survey of Art from the Enlightenment to the Present (3)
    - ART213 - Art of Global Cultures (3)
    - MUS108 - Introduction to World Music (3)
    - THD118 - World Theatre (3)
    - THD344 - Theatre History and Literature II (3)
  - Completed at least 1 of the following:
    - ANT140 - Exploring World Cultures (3)
    - EES110 - World Geography (3)
    - HUM215 - Humanities in the Contemporary World: Border Crossings (3)
  - Completed at least 1 of the following:
    - ENG305 - Survey of World Literature, 1700-1945 (3)
    - ENG307 - World Literature to 1830 (3)
    - ENG308 - World Literature, 1830 to the Present (3)
    - ENG315 - Global Cinema (3)
  - Completed at least 1 of the following:
    - HIS311 - Modern France (3)
    - HIS312 - Modern Germany (3)
    - HIS472 - Modern China (3)
  - Completed at least 1 of the following:
    - ARC320 - Human Ecology (3)
    - ARC321 - Ancient Civilizations (3)
    - ARC389 - Archaeology and Political Ecology of Empires (3)
    - EES330 - Economic Geography (3)
    - HIS309 - Survey of World Religions (3)
    - HIS316 - Women and Gender in World History (3)
  - Limited Electives:
  - Completed the following:
    - FRE202 - Practical Applications in French (3)
  - Completed at least 1 of the following:
    - FRE301 - Social Issues in French Texts (3)
    - FRE302 - Conversation and Composition (3)
    - FRE331 - Advanced Language Practice (3)
  - Earned at least 12 credits from FRE
  - Completed at least 21 credits from the following types of courses:
    Required Minor

Grand Total Credits: **64**

Minimum Credential Hours

120

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

T. Saint-Paul

Culture and Language Studies/German Track (BA: Bachelor of Arts)

Program Name

Culture and Language Studies/German Track

Degree

BA: Bachelor of Arts

CIP Code

160199

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Major

Graduation Requirements

Note: Intermediate level modern language courses completed as part of the major or minor also satisfy modern language requirements for the B.A. All majors and minors, including those who score at or above the 301 level on the Placement Exam, will be required to take GER 301, 302, or 331. These are gateway courses to the upper-level culture and literature courses. A minimum grade of *C* is required in the gateway course. Passing scores on the third-year proficiency exams are required for entry into GLT 400.

Note: The department strongly recommends that majors study abroad for at least one summer.

Credit for GER 101 and 102 may not be used for the major but will count toward graduation.

Program Requirements

- Complete all of the following
  - See advisor for assistance in selected courses best suited for the German Track.
  - Completed the following:
    - GLT100T - Transitions (1)
    - GLT400 - Senior Seminar (3)
    - GLT401 - Principles of Translation and Interpretation (3)
  - Completed at least 1 of the following:
    - CHN201 - Intermediate Chinese I (3)
    - FRE201 - Intercultural Communications in French (3)
    - GER201 - Intercultural Communications in German (3)
  - Completed at least 1 of the following:
    - ART211 - A Survey of Art from Antiquity to the Baroque (3)
    - ART212 - A Survey of Art from the Enlightenment to the Present (3)
    - ART213 - Art of Global Cultures (3)
    - MUS108 - Introduction to World Music (3)
    - THD118 - World Theatre (3)
    - THD344 - Theatre History and Literature II (3)
  - Completed at least 1 of the following:
    - ANT140 - Exploring World Cultures (3)
    - EES110 - World Geography (3)
    - HUM215 - Humanities in the Contemporary World: Border Crossings (3)
  - Completed at least 1 of the following:
    - ENG305 - Survey of World Literature, 1700-1945 (3)
    - ENG307 - World Literature to 1830 (3)
    - ENG308 - World Literature, 1830 to the Present (3)
    - ENG315 - Global Cinema (3)
  - Completed at least 1 of the following:
    - HIS311 - Modern France (3)
    - HIS312 - Modern Germany (3)
    - HIS472 - Modern China (3)
  - Completed at least 1 of the following:
    - ARC320 - Human Ecology (3)
    - ARC321 - Ancient Civilizations (3)
    - ARC389 - Archaeology and Political Ecology of Empires (3)
    - EES330 - Economic Geography (3)
    - HIS309 - Survey of World Religions (3)
    - HIS316 - Women and Gender in World History (3)
  - Limited Electives:
  - Completed at least 1 of the following:
    - GER202 - Practical Applications in German (3)
    - GER203 - German for the Working World (3)
  - Completed at least 1 of the following:
    - GER301 - Social Issues in German Texts (3)
    - GER302 - Conversation and Composition (3)
  - Completed the following:
    - GER323 - German Culture and Civilization (3)
    - GER324 - Contemporary German Culture and Civilization (3)
    - GER331 - Advanced Language Practice (3)
  - Approved Electives:
  - Earned at least credits from GER 300 - 599
  - Completed at least 21 credits from the following types of courses:
    Required Minor

Grand Total Credits: **61**

Minimum Credential Hours

120

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

R. Riegler

Dual-Credit and Transitional English (CERT: Certificate)

Program Name

Dual-Credit and Transitional English

Degree

CERT: Certificate

CIP Code

230101

Program Level

Graduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Graduate Program Type

Graduate Certificate

Description

The Dual-Credit and Transitional English Graduate Certificate program offers teacher of English or English language arts the opportunity to obtain demonstrable expertise, in the form of a graduate certificate, in teaching dual-credit English, dual-credit composition, dual-credit literature, dual-credit humanities, and similar subjects. The program is designed for teachers who hold a master's degree or are enrolled in a master's or doctoral program with a plan to complete the certificate together with the degree-program.

The Dual-Credit and Transitional English Certificate will be awarded upon completion of the master's degree; if a student already holds a master's degree; if a student already holds a master's degree, the certificate will be awarded after completion of eighteen hours within this program.

Requirements for Admission

Applicants must comply with the Murray State University requirements (see Graduate Admissions). Additional requirements for unconditional admission are as follows:

- an undergraduate degree in English with a GPA of 3.0 or higher;
- a master's degree with a GPA of 3.0 or higher OR concurrent enrollment in a master's or doctoral program;
- for non-native speakers of English, a TOEFL score of 20 for each section of the iBT, an IELTS score of 6.5 with no band lower than 6.0, a previous degree earned from an accredited U.S. institution, or successful completion of Level VI of the Murray State ESL program.

For conditional admission, requirements are program judgment of probable success based on GRE (Graduate Record Exam) scores, letters of recommendation, and/or other evidence such as a planned program of prerequisite courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ENG600 - Research and Bibliography (3)
  - Completed at least 3 credits from the following types of courses: American Literature Elective
  - Completed at least 3 credits from the following types of courses: British Literature Elective
  - Earned at least 9 credits from the following:
    - ENG601 - Teaching Writing (3)
    - ENG602 - Teaching Literature (3)
    - ENG604 - Purchase Area Writing Project I (3)
    - ENG616 - Rhetorical Theory (3)
    - ENG617 - Themes in World Literature (3)
    - ENG624 - Historical Principles in Composition Theory (3)
    - ENG681 - Special Topics in Rhetoric and Composition (3)
    - ENG685 - Teaching English at the College Level (3)
    - ENG750 - Purchase Area Literacy Academy (3)
    - ENG752 - The Reading/Writing Connection in English (3)
    - ENG773 - Teaching Selected Authors (3)

Grand Total Credits: **18**

Minimum Credential Hours

12

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

S. Sroda

East Asian Studies (Minor)

Program Name

East Asian Studies

Degree

Minor

Program Level

Undergraduate

Department

History

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Nine hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - HIS340 - Modern East Asia (3)
  - Completed at least 1 of the following:
    - CHN105 - Introduction to Chinese Culture (3)
    - JPN105 - Introduction to Japanese Culture (3)
  - Earned at least 15 credits from the following:
    - ART121 - Art and Visual Culture (3)
    - ART425 - Arts of Africa and Asia (3)
    - CHN101 - Elementary Chinese I (3)
    - CHN102 - Elementary Chinese II (3)
    - CHN201 - Intermediate Chinese I (3)
    - CHN202 - Intermediate Chinese II (3)
    - CHN314 - Chinese Culture Abroad (3)
    - HIS120 - Exploring the World’s Great Cities: Heritage and Modern Life (3)
    - HIS472 - Modern China (3)
    - HIS474 - China in Revolution (3)
    - HIS475 - Modern Japan (3)
    - JPN101 - Elementary Japanese I (3)
    - JPN102 - Elementary Japanese II (3)
    - JPN201 - Intermediate Japanese I (3)
    - JPN202 - Intermediate Japanese II (3)
    - JPN301 - Japanese Conversation and Composition (3)
    - JPN302 - Japanese Conversation and Composition (3)
    - JPN314 - Japanese Culture Abroad (3)
    - JPN401 - Advanced Japanese I (3)
    - JPN402 - Advanced Japanese II (3)
    - POL454 - Government and Politics of Asia (3)
    - POL459 - Politics of China (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of History 6B Faculty Hall (270) 809-2231

Default Advisor

Dept Chair

English (Minor)

Program Name

English

Degree

Minor

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ENG201 - Introduction to Literature (3)
    - ENG321 - Research in Literary Studies (3)
  - Earned at least 15 credits from ENG 300 - 499

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

Dept Chair

English (MA: Master of Arts)

Program Name

English

Degree

MA: Master of Arts

CIP Code

230101

Program Level

Graduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Graduate Program Type

Graduate Degree

Description

The objectives of the M.A. program in English are (1) to prepare teachers of language, literature and composition at the college and secondary school levels, (2) to provide a broad foundation for those wishing to pursue further graduate study; and (3) to meet the special needs of a variety of pre-professional programs.

Requirements for Admission
Applicants must comply with the Murray State University requirements (see Graduate Admissions). For non-native speakers of English, a TOEFL score of 22 for each section of the iBT, an IELTS score of 7.0 with no band lower than 6.5, or a previous degree earned from an accredited U.S. institution subject to departmental standards. Requirements for unconditional and conditional admission are shown below.

Unconditional
• Undergraduate major or minor in English Literature or substantial equivalent thereof.
• Undergraduate GPA of 3.0 or higher.

Conditional
Departmental judgment of probable success based on Graduate Record Examination scores, letters of recommendation, or other evidence such as a planned program of prerequisite courses. Students will have their skills in reading and writing assessed by the Coordinator prior to enrollment in graduate courses.

Graduation Requirements

Note: At least half of the total coursework, excluding thesis credit, must be in 600-level courses. Any substitutions for the requirements listed below must be approved by the departmental graduate coordinator. ENG 618 and ENG 634 do not count toward the M.A. in English; ENG 610 may count only once, for no more than three credit hours, toward the M.A. in English.

Other Degree Requirements
• Oral examination over the approved reading list.
• Exit portfolio (for specified tracks).

Program Requirements

- Complete all of the following
  - Completed the following:
    - ENG600 - Research and Bibliography (3)
  - Completed at least 6 credits from the following types of courses: American Literature Courses
  - Completed at least 6 credits from the following types of courses: British Literature Courses
  - Earned at least 15 credits from ENG 600 - 799

Grand Total Credits: **30**

Minimum Credential Hours

30

Program Contact Information

Graduate Coordinator: Kevin Binfield 7C9 Faculty Hall (270) 809-2401

Default Advisor

K. Binfield

English as a Second Language (Endorsement)

Program Name

English as a Second Language

Degree

Endorsement

CIP Code

Program Level

Graduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Graduate Program Type

Graduate Degree

Description

In keeping with Kentucky Department of Education guidelines, students who hold or are earning a certificate to teach at the elementary, middle school or secondary level may seek a K-12 certificate endorsement in English as a second language by completing the following 12 semester hours of course work.

Graduation Requirements

Other Degree Requirements
An oral examination is required. English as a Second Language certificate endorsement seekers are required in Kentucky to take the Teaching English as a Second Language Praxis exam upon completion of the above courses.

Program Requirements

- Completed the following:
  - ENG618 - Introduction to Linguistic Science (3)
  - TSL600 - Methods and Materials for Teaching ESL/EFL (3)
  - TSL609 - Foundations of Second Language Acquisition (3)
  - TSL634 - Language and Culture (3)

Grand Total Credits: **12**

Minimum Credential Hours

12

Program Contact Information

Graduate Coordinator: Latricia Trites 7C9 Faculty Hall (270) 809-2401

Default Advisor

L. Trites

English Core ([object Object])

Program Name

English Core

Degree

CIP Code

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Program Requirements

- Complete all of the following
  - Completed the following:
    - ENG100T - Transitions (1)
  - One of the following Historical Foundations requirements:
  - Complete 1 of the following
    - Completed the following:
      - ENG303 - British Literature to 1760 (3)
      - ENG312 - American Literature 1865 to 1945 (3)
    - Completed the following:
      - ENG304 - British Literature, 1760 to the Present (3)
      - ENG311 - American Literature to 1865 (3)
  - One of the following Writing/Theory courses:
  - Completed at least 1 of the following:
    - ENG321 - Research in Literary Studies (3)
    - ENG322 - Rhetorical and Professional Writing (3)
    - TSL421 - Research in Second Language Learning and Teaching (3)
  - One of the following Language Systems courses:
  - Completed at least 1 of the following:
    - ENG309 - History of English Language (3)
    - ENG310 - Introduction to English Linguistics (3)
  - One of the following Genre courses:
  - Completed at least 1 of the following:
    - ENG360 - Literature and Philosophy (3)
    - ENG380 - Advanced Genre Study in Poetry and Poetics (3)
    - ENG381 - Advanced Genre Study in Drama (3)
    - ENG382 - Advanced Genre Study in Fiction (3)
  - One of the following Diversity courses:
  - Completed at least 1 of the following:
    - ENG308 - World Literature, 1830 to the Present (3)
    - ENG318 - Women's Literature (3)
    - ENG319 - Gay and Lesbian Literature (3)
    - ENG320 - Survey in African-American Literature (3)
    - ENG336 - Special Topics in Diverse Literatures (3)
    - ENG337 - Laboring-Class Literature (3)
    - ENG362 - Linguistic Diversity Across Cultures (3)
  - One of the following Figures and Movements courses:
  - Completed at least 1 of the following:
    - ENG332 - Contemporary Rhetoric and the Written Argument (3)
    - ENG334 - Shakespeare (3)
    - PHI498 - Major Figures (3)

Grand Total Credits: **22**

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

English Core ([object Object]) - English/Creative Writing Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

English Core ([object Object]) - English/Creative Writing Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

230101

Specialization Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Specialization Type

Major

Specifically Required University Studies

- Completed the following:
  - ENG201 - Introduction to Literature (3)
  - ENG214 - Introduction to Creative Writing (3)

Grand Total Credits: **6**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ENG100T - Transitions (1)
  - One of the following Historical Foundations requirements:
  - Complete 1 of the following
    - Completed the following:
      - ENG303 - British Literature to 1760 (3)
      - ENG312 - American Literature 1865 to 1945 (3)
    - Completed the following:
      - ENG304 - British Literature, 1760 to the Present (3)
      - ENG311 - American Literature to 1865 (3)
  - One of the following Writing/Theory courses:
  - Completed at least 1 of the following:
    - ENG321 - Research in Literary Studies (3)
    - ENG322 - Rhetorical and Professional Writing (3)
    - TSL421 - Research in Second Language Learning and Teaching (3)
  - One of the following Language Systems courses:
  - Completed at least 1 of the following:

        - ENG309 - History of English Language (3)
        - ENG310 - Introduction to English Linguistics (3)
    - One of the following Genre courses:
    - Completed at least 1 of the following:
        - ENG360 - Literature and Philosophy (3)
        - ENG380 - Advanced Genre Study in Poetry and Poetics (3)
        - ENG381 - Advanced Genre Study in Drama (3)
        - ENG382 - Advanced Genre Study in Fiction (3)
    - One of the following Diversity courses:
    - Completed at least 1 of the following:
        - ENG308 - World Literature, 1830 to the Present (3)
        - ENG318 - Women's Literature (3)
        - ENG319 - Gay and Lesbian Literature (3)
        - ENG320 - Survey in African-American Literature (3)
        - ENG336 - Special Topics in Diverse Literatures (3)
        - ENG337 - Laboring-Class Literature (3)
        - ENG362 - Linguistic Diversity Across Cultures (3)
    - One of the following Figures and Movements courses:
    - Completed at least 1 of the following:
        - ENG332 - Contemporary Rhetoric and the Written Argument (3)
        - ENG334 - Shakespeare (3)
        - PHI498 - Major Figures (3)
    - Required Limited Electives:
    - Completed the following:
        - ENG392 - Professional Engagement (1 - 6)
        - ENG488 - Cooperative Education/Editorial Internship (3)
    - Earned at least 12 credits from the following:
        - ENG341 - Introduction to Writing Fiction (3)
        - ENG342 - Introduction to Writing Poetry (3)
        - ENG343 - Special Topics in Creative Writing (3)
        - ENG344 - Introduction Writing Creative Non-Fiction (3)
        - ENG408 - Forms of Fiction (3)
        - ENG415 - Writer's Workshop: Short Story (3)
        - ENG416 - Writer's Workshop: Poetry (3)
        - ENG424 - Forms of Poetry (3)
        - ENG560 - Advanced Creative Writing: Fiction (3)
        - ENG561 - Advanced Creative Writing: Poetry (3)
    - Earned at least 6 credits from the following:
        - ENG408 - Forms of Fiction (3)
        - ENG415 - Writer's Workshop: Short Story (3)
        - ENG416 - Writer's Workshop: Poetry (3)
        - ENG424 - Forms of Poetry (3)
        - ENG560 - Advanced Creative Writing: Fiction (3)
        - ENG561 - Advanced Creative Writing: Poetry (3)
    - Completed at least 21 credits from the following types of courses:
      Required Minor

Grand Total Credits: **65 - 70**

Minimum Credential Hours

120

Specialization Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

M. Sroda

English Core ([object Object]) - English/English Education-Secondary Certification (Grades 8-12) Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

English Core ([object Object]) - English/English Education-Secondary Certification (Grades 8-12) Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

230101

Specialization Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Specialization Type

Area

Graduation Requirements

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, a public speaking course, EDU 280, and HUM 180 and 380. Additional requirements for admission to teacher education and student teaching must be met.

Students should see their academic advisor or the Office of Teacher Education Services for details.

SEC 420 must be taken two semesters before student teaching.

EDU 485 and SEC 422 must be taken one semester before student teaching.

Specifically Required University Studies

- Completed the following:
  - ENG201 - Introduction to Literature (3)
  - ENG214 - Introduction to Creative Writing (3)

Grand Total Credits: **6**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ENG100T - Transitions (1)
  - One of the following Historical Foundations requirements:
  - Complete 1 of the following
    - Completed the following:
      - ENG303 - British Literature to 1760 (3)

        - ENG312 - American Literature 1865 to 1945 (3)
    - Completed the following:
        - ENG304 - British Literature, 1760 to the Present (3)
        - ENG311 - American Literature to 1865 (3)
- One of the following Writing/Theory courses:
- Completed at least 1 of the following:
    - ENG321 - Research in Literary Studies (3)
    - ENG322 - Rhetorical and Professional Writing (3)
    - TSL421 - Research in Second Language Learning and Teaching (3)
- One of the following Language Systems courses:
- Completed at least 1 of the following:
    - ENG309 - History of English Language (3)
    - ENG310 - Introduction to English Linguistics (3)
- One of the following Genre courses:
- Completed at least 1 of the following:
    - ENG360 - Literature and Philosophy (3)
    - ENG380 - Advanced Genre Study in Poetry and Poetics (3)
    - ENG381 - Advanced Genre Study in Drama (3)
    - ENG382 - Advanced Genre Study in Fiction (3)
- One of the following Diversity courses:
- Completed at least 1 of the following:
    - ENG308 - World Literature, 1830 to the Present (3)
    - ENG318 - Women's Literature (3)
    - ENG319 - Gay and Lesbian Literature (3)
    - ENG320 - Survey in African-American Literature (3)
    - ENG336 - Special Topics in Diverse Literatures (3)
    - ENG337 - Laboring-Class Literature (3)
    - ENG362 - Linguistic Diversity Across Cultures (3)
- One of the following Figures and Movements courses:
- Completed at least 1 of the following:
    - ENG332 - Contemporary Rhetoric and the Written Argument (3)
    - ENG334 - Shakespeare (3)
    - PHI498 - Major Figures (3)
- Required Limited Electives:
- Completed the following:
    - ENG214 - Introduction to Creative Writing (3)
- Completed at least 1 of the following:
    - ENG303 - British Literature to 1760 (3)
    - ENG304 - British Literature, 1760 to the Present (3)
- Completed at least 1 of the following:
    - ENG311 - American Literature to 1865 (3)
    - ENG312 - American Literature 1865 to 1945 (3)
- Completed the following:
    - ENG329 - Teaching English in Secondary Schools (3)
    - ENG435 - Young Adult Literature (3)
- Completed at least 6 credits from the following types of courses:
  300-500 level ENG courses, all of which must be in literature
- Earned at least 3 credits from ENG 300 - 599
- Required for Secondary Certification:
- Earned a minimum grade of B in each of the following:
    - EDU280 - Educating for Human Development (3)
    - HUM180 - Explore Teaching in the Humanities (3)
    - HUM380 - Inclusive Teaching of Diverse Learners in Humanities (3)
- Completed the following:
    - EDU485 - Professional Perspectives for Teaching (1)
    - ENG445 - Teaching Reading and Writing in the Secondary School (3)
    - SEC420 - Practicum in Secondary Schools (3)

        - SEC421 - Student Teaching in the Secondary School (7 - 14)
        - SEC422 - Extended Practicum (4)

Grand Total Credits: **73 - 80**

Minimum Credential Hours

120

Specialization Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

M. Morgan

English Core ([object Object]) - English/Literature Track (area)

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

English Core ([object Object]) - English/Literature Track (area)

Degree

BA: Bachelor of Arts

CIP Code

230101

Specialization Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Specialization Type

Area

Specifically Required University Studies

- Completed the following:
    - ENG201 - Introduction to Literature (3)

Grand Total Credits: **3**

Specialization Requirements

- Complete all of the following
    - Completed the following:
        - ENG100T - Transitions (1)
    - One of the following Historical Foundations requirements:
    - Complete 1 of the following
        - Completed the following:
            - ENG303 - British Literature to 1760 (3)
            - ENG312 - American Literature 1865 to 1945 (3)
        - Completed the following:

        - ENG304 - British Literature, 1760 to the Present (3)
        - ENG311 - American Literature to 1865 (3)
    - One of the following Writing/Theory courses:
    - Completed at least 1 of the following:
        - ENG321 - Research in Literary Studies (3)
        - ENG322 - Rhetorical and Professional Writing (3)
        - TSL421 - Research in Second Language Learning and Teaching (3)
    - One of the following Language Systems courses:
    - Completed at least 1 of the following:
        - ENG309 - History of English Language (3)
        - ENG310 - Introduction to English Linguistics (3)
    - One of the following Genre courses:
    - Completed at least 1 of the following:
        - ENG360 - Literature and Philosophy (3)
        - ENG380 - Advanced Genre Study in Poetry and Poetics (3)
        - ENG381 - Advanced Genre Study in Drama (3)
        - ENG382 - Advanced Genre Study in Fiction (3)
    - One of the following Diversity courses:
    - Completed at least 1 of the following:
        - ENG308 - World Literature, 1830 to the Present (3)
        - ENG318 - Women's Literature (3)
        - ENG319 - Gay and Lesbian Literature (3)
        - ENG320 - Survey in African-American Literature (3)
        - ENG336 - Special Topics in Diverse Literatures (3)
        - ENG337 - Laboring-Class Literature (3)
        - ENG362 - Linguistic Diversity Across Cultures (3)
    - One of the following Figures and Movements courses:
    - Completed at least 1 of the following:
        - ENG332 - Contemporary Rhetoric and the Written Argument (3)
        - ENG334 - Shakespeare (3)
        - PHI498 - Major Figures (3)
    - Required Limited Electives:
    - Completed the following:
        - ENG380 - Advanced Genre Study in Poetry and Poetics (3)
        - ENG392 - Professional Engagement (1 - 6)
        - ENG548 - Senior Seminar in Literary Studies (2)
    - and three of the following (not taken in core):
    - Completed at least 3 of the following:
        - ENG303 - British Literature to 1760 (3)
        - ENG304 - British Literature, 1760 to the Present (3)
        - ENG308 - World Literature, 1830 to the Present (3)
        - ENG311 - American Literature to 1865 (3)
        - ENG312 - American Literature 1865 to 1945 (3)
    - Completed at least 6 credits from the following types of courses: Upper level literature courses
    - Completed at least 12 credits from the following types of courses: Upper level literature courses (400-level)
    - Earned at least 3 credits from ENG 300 - 599

Grand Total Credits: **58 - 63**

Minimum Credential Hours

120

Specialization Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

M. Sroda

English Core ([object Object]) - English/Literature Track (major)

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

English Core ([object Object]) - English/Literature Track (major)

Degree

BA: Bachelor of Arts

CIP Code

230101

Specialization Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Specialization Type

Major

Specifically Required University Studies

- Completed the following:
  - ENG201 - Introduction to Literature (3)

Grand Total Credits: **3**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ENG100T - Transitions (1)
  - One of the following Historical Foundations requirements:
  - Complete 1 of the following
    - Completed the following:
      - ENG303 - British Literature to 1760 (3)
      - ENG312 - American Literature 1865 to 1945 (3)
    - Completed the following:
      - ENG304 - British Literature, 1760 to the Present (3)
      - ENG311 - American Literature to 1865 (3)
  - One of the following Writing/Theory courses:
  - Completed at least 1 of the following:
    - ENG321 - Research in Literary Studies (3)
    - ENG322 - Rhetorical and Professional Writing (3)
    - TSL421 - Research in Second Language Learning and Teaching (3)
  - One of the following Language Systems courses:
  - Completed at least 1 of the following:
    - ENG309 - History of English Language (3)
    - ENG310 - Introduction to English Linguistics (3)
  - One of the following Genre courses:
  - Completed at least 1 of the following:

        - ENG360 - Literature and Philosophy (3)
        - ENG380 - Advanced Genre Study in Poetry and Poetics (3)
        - ENG381 - Advanced Genre Study in Drama (3)
        - ENG382 - Advanced Genre Study in Fiction (3)
    - One of the following Diversity courses:
    - Completed at least 1 of the following:
        - ENG308 - World Literature, 1830 to the Present (3)
        - ENG318 - Women's Literature (3)
        - ENG319 - Gay and Lesbian Literature (3)
        - ENG320 - Survey in African-American Literature (3)
        - ENG336 - Special Topics in Diverse Literatures (3)
        - ENG337 - Laboring-Class Literature (3)
        - ENG362 - Linguistic Diversity Across Cultures (3)
    - One of the following Figures and Movements courses:
    - Completed at least 1 of the following:
        - ENG332 - Contemporary Rhetoric and the Written Argument (3)
        - ENG334 - Shakespeare (3)
        - PHI498 - Major Figures (3)
    - Required Limited Electives:
    - Completed the following:
        - ENG380 - Advanced Genre Study in Poetry and Poetics (3)
        - ENG392 - Professional Engagement (1 - 6)
        - ENG548 - Senior Seminar in Literary Studies (2)
    - and three of the following (not taken in core):
    - Completed at least 3 of the following:
        - ENG303 - British Literature to 1760 (3)
        - ENG304 - British Literature, 1760 to the Present (3)
        - ENG308 - World Literature, 1830 to the Present (3)
        - ENG311 - American Literature to 1865 (3)
        - ENG312 - American Literature 1865 to 1945 (3)
    - Completed at least 3 credits from the following types of courses: 400-level literature course
    - Earned at least 3 credits from ENG 300 - 599
    - Completed at least 21 credits from the following types of courses: Required Minor

Grand Total Credits: **64 - 69**

Minimum Credential Hours

120

Specialization Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

M. Sroda

English Core ([object Object]) - English/Philosophy Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

English Core ([object Object]) - English/Philosophy Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

230101

Specialization Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Specialization Type

Area

Specifically Required University Studies

- Completed the following:
  - ENG201 - Introduction to Literature (3)
  - PHI202 - Ethics (3)

Grand Total Credits: **6**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ENG100T - Transitions (1)
  - One of the following Historical Foundations requirements:
  - Complete 1 of the following
    - Completed the following:
      - ENG303 - British Literature to 1760 (3)
      - ENG312 - American Literature 1865 to 1945 (3)
    - Completed the following:
      - ENG304 - British Literature, 1760 to the Present (3)
      - ENG311 - American Literature to 1865 (3)
  - One of the following Writing/Theory courses:
  - Completed at least 1 of the following:
    - ENG321 - Research in Literary Studies (3)
    - ENG322 - Rhetorical and Professional Writing (3)
    - TSL421 - Research in Second Language Learning and Teaching (3)
  - One of the following Language Systems courses:
  - Completed at least 1 of the following:
    - ENG309 - History of English Language (3)
    - ENG310 - Introduction to English Linguistics (3)
  - One of the following Genre courses:
  - Completed at least 1 of the following:
    - ENG360 - Literature and Philosophy (3)
    - ENG380 - Advanced Genre Study in Poetry and Poetics (3)
    - ENG381 - Advanced Genre Study in Drama (3)
    - ENG382 - Advanced Genre Study in Fiction (3)
  - One of the following Diversity courses:
  - Completed at least 1 of the following:
    - ENG308 - World Literature, 1830 to the Present (3)
    - ENG318 - Women's Literature (3)
    - ENG319 - Gay and Lesbian Literature (3)
    - ENG320 - Survey in African-American Literature (3)
    - ENG336 - Special Topics in Diverse Literatures (3)
    - ENG337 - Laboring-Class Literature (3)

        - ENG362 - Linguistic Diversity Across Cultures (3)
    - One of the following Figures and Movements courses:
    - Completed at least 1 of the following:
        - ENG332 - Contemporary Rhetoric and the Written Argument (3)
        - ENG334 - Shakespeare (3)
        - PHI498 - Major Figures (3)
    - Required Limited Electives:
    - Completed the following:
        - PHI201 - Introduction to Philosophy (3)
        - PHI392 - Professional Engagement (1)
    - One of the following Critical Reasoning courses:
    - Completed at least 1 of the following:
        - PHI103 - Critical Thinking (3)
        - PHI184 - Logic, Language, and Truth (3)
    - One of the following Diversity courses:
    - Completed at least 1 of the following:
        - PHI255 - Philosophy of Race (3)
        - PHI332 - History of Philosophy: Eastern Philosophy (3)
        - PHI357 - Feminist Philosophy (3)
        - PHI383 - Philosophy of Diversity (3)
    - Two of the following Historical Foundations courses:
    - Completed at least 2 of the following:
        - PHI331 - History of Philosophy: Belief, Science, and Knowledge (3)
        - PHI332 - History of Philosophy: Eastern Philosophy (3)
        - PHI333 - History of Philosophy: Faith and the Divine (3)
        - PHI334 - History of Philosophy: Individuals, Community, the State (3)
        - PHI335 - History of Philosophy: Mind and Reality (3)
    - Earned at least 3 credits from PHI 300 - 599
    - Earned at least 9 credits from PHI

Grand Total Credits: **50**

Minimum Credential Hours

120

Specialization Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

R. Goggins

English Core ([object Object]) - English/Professional Writing Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

English Core ([object Object]) - English/Professional Writing Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

230101

Specialization Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Specialization Type

Major

Specifically Required University Studies

- Completed the following:
  - ENG201 - Introduction to Literature (3)

Grand Total Credits: **3**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ENG100T - Transitions (1)
  - One of the following Historical Foundations requirements:
  - Complete 1 of the following
    - Completed the following:
      - ENG303 - British Literature to 1760 (3)
      - ENG312 - American Literature 1865 to 1945 (3)
    - Completed the following:
      - ENG304 - British Literature, 1760 to the Present (3)
      - ENG311 - American Literature to 1865 (3)
  - One of the following Writing/Theory courses:
  - Completed at least 1 of the following:
    - ENG321 - Research in Literary Studies (3)
    - ENG322 - Rhetorical and Professional Writing (3)
    - TSL421 - Research in Second Language Learning and Teaching (3)
  - One of the following Language Systems courses:
  - Completed at least 1 of the following:
    - ENG309 - History of English Language (3)
    - ENG310 - Introduction to English Linguistics (3)
  - One of the following Genre courses:
  - Completed at least 1 of the following:
    - ENG360 - Literature and Philosophy (3)
    - ENG380 - Advanced Genre Study in Poetry and Poetics (3)
    - ENG381 - Advanced Genre Study in Drama (3)
    - ENG382 - Advanced Genre Study in Fiction (3)
  - One of the following Diversity courses:
  - Completed at least 1 of the following:
    - ENG308 - World Literature, 1830 to the Present (3)
    - ENG318 - Women's Literature (3)
    - ENG319 - Gay and Lesbian Literature (3)
    - ENG320 - Survey in African-American Literature (3)
    - ENG336 - Special Topics in Diverse Literatures (3)
    - ENG337 - Laboring-Class Literature (3)
    - ENG362 - Linguistic Diversity Across Cultures (3)
  - One of the following Figures and Movements courses:
  - Completed at least 1 of the following:
    - ENG332 - Contemporary Rhetoric and the Written Argument (3)

        - ENG334 - Shakespeare (3)
        - PHI498 - Major Figures (3)
    - Required Limited Electives:
    - Completed the following:
        - ENG226 - Argument and Discourse (3)
        - ENG324 - Technical Writing (3)
    - Completed at least 1 of the following:
        - ENG392 - Professional Engagement (1 - 6)
        - ENG488 - Cooperative Education/Editorial Internship (3)
    - Completed at least 4 of the following:
        - BUS215 - Business Communication (3)
        - CSC125 - Internet and Web Page Design (3)
        - ENG204 - Advanced Expository Writing (3)
        - ENG214 - Introduction to Creative Writing (3)
        - ENG224 - Writing in the Professions (3)
        - ENG228 - Standard English Usage (3)
        - ENG325 - Professional Document Design (3)
        - ENG327 - Writing Proposals and Grants (3)
        - ENG331 - Traditional Rhetoric and the Written Argument (3)
        - ENG353 - Writing for the Web (3)
        - ENG404 - Advanced Composition (3)
        - GCM152 - Introduction to Digital Imaging (3)
        - JMC194 - Newswriting (3)
        - LST300 - Introduction to Legal Research (3)
    - Completed at least 21 credits from the following types of courses: Required Minor

Grand Total Credits: **62 - 67**

Minimum Credential Hours

120

Specialization Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

M. Sroda

English Core ([object Object]) - English/Rhetoric and Philosophy Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

English Core ([object Object]) - English/Rhetoric and Philosophy Track

Degree

BS: Bachelor of Science

CIP Code

230101

Specialization Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Specialization Type

Area

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ENG100T - Transitions (1)
  - One of the following Historical Foundations requirements:
  - Complete 1 of the following
    - Completed the following:
      - ENG303 - British Literature to 1760 (3)
      - ENG312 - American Literature 1865 to 1945 (3)
    - Completed the following:
      - ENG304 - British Literature, 1760 to the Present (3)
      - ENG311 - American Literature to 1865 (3)
  - One of the following Writing/Theory courses:
  - Completed at least 1 of the following:
    - ENG321 - Research in Literary Studies (3)
    - ENG322 - Rhetorical and Professional Writing (3)
    - TSL421 - Research in Second Language Learning and Teaching (3)
  - One of the following Language Systems courses:
  - Completed at least 1 of the following:
    - ENG309 - History of English Language (3)
    - ENG310 - Introduction to English Linguistics (3)
  - One of the following Genre courses:
  - Completed at least 1 of the following:
    - ENG360 - Literature and Philosophy (3)
    - ENG380 - Advanced Genre Study in Poetry and Poetics (3)
    - ENG381 - Advanced Genre Study in Drama (3)
    - ENG382 - Advanced Genre Study in Fiction (3)
  - One of the following Diversity courses:
  - Completed at least 1 of the following:
    - ENG308 - World Literature, 1830 to the Present (3)
    - ENG318 - Women's Literature (3)
    - ENG319 - Gay and Lesbian Literature (3)
    - ENG320 - Survey in African-American Literature (3)
    - ENG336 - Special Topics in Diverse Literatures (3)
    - ENG337 - Laboring-Class Literature (3)
    - ENG362 - Linguistic Diversity Across Cultures (3)
  - One of the following Figures and Movements courses:
  - Completed at least 1 of the following:
    - ENG332 - Contemporary Rhetoric and the Written Argument (3)
    - ENG334 - Shakespeare (3)
    - PHI498 - Major Figures (3)
  - Required Limited Electives:
  - Completed the following:
    - ENG226 - Argument and Discourse (3)
    - PHI201 - Introduction to Philosophy (3)
    - PHI202 - Ethics (3)
  - Completed at least 2 of the following:
    - PHI103 - Critical Thinking (3)
    - PHI142 - Philosophy-The Big Questions (3)
    - PHI184 - Logic, Language, and Truth (3)
  - Completed at least 2 of the following:

        - PHI331 - History of Philosophy: Belief, Science, and Knowledge (3)
        - PHI332 - History of Philosophy: Eastern Philosophy (3)
        - PHI333 - History of Philosophy: Faith and the Divine (3)
        - PHI334 - History of Philosophy: Individuals, Community, the State (3)
        - PHI335 - History of Philosophy: Mind and Reality (3)
    - Completed at least 2 of the following:
        - ENG322 - Rhetorical and Professional Writing (3)
        - ENG331 - Traditional Rhetoric and the Written Argument (3)
        - ENG332 - Contemporary Rhetoric and the Written Argument (3)
        - ENG370 - Law and Literature (3)
        - ENG404 - Advanced Composition (3)
        - PHI250 - Philosophy of Law (3)

Grand Total Credits: **49**

Minimum Credential Hours

120

Specialization Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

R. Goggins

English Core ([object Object]) - English/Teaching English to Speakers of Other Languages (P-12) Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

English Core ([object Object]) - English/Teaching English to Speakers of Other Languages (P-12) Track

Degree

BA: Bachelor of Arts

CIP Code

230101

Specialization Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Specialization Type

Area

Graduation Requirements

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, a public speaking course, EDU 280, and HUM 180 and 380. Additional requirements for admission to teacher education and student teaching must be met.

Students should see their academic advisor or the Office of Teacher Education Services for details.

SEC 420 must be taken two semesters before student teaching.

EDU 485 and SEC 422 must be taken one semester before student teaching.

Specifically Required University Studies

- Completed the following:
  - ENG201 - Introduction to Literature (3)

Grand Total Credits: **3**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ENG100T - Transitions (1)
  - One of the following Historical Foundations requirements:
  - Complete 1 of the following
    - Completed the following:
      - ENG303 - British Literature to 1760 (3)
      - ENG312 - American Literature 1865 to 1945 (3)
    - Completed the following:
      - ENG304 - British Literature, 1760 to the Present (3)
      - ENG311 - American Literature to 1865 (3)
  - One of the following Writing/Theory courses:
  - Completed at least 1 of the following:
    - ENG321 - Research in Literary Studies (3)
    - ENG322 - Rhetorical and Professional Writing (3)
    - TSL421 - Research in Second Language Learning and Teaching (3)
  - One of the following Language Systems courses:
  - Completed at least 1 of the following:
    - ENG309 - History of English Language (3)
    - ENG310 - Introduction to English Linguistics (3)
  - One of the following Genre courses:
  - Completed at least 1 of the following:
    - ENG360 - Literature and Philosophy (3)
    - ENG380 - Advanced Genre Study in Poetry and Poetics (3)
    - ENG381 - Advanced Genre Study in Drama (3)
    - ENG382 - Advanced Genre Study in Fiction (3)
  - One of the following Diversity courses:
  - Completed at least 1 of the following:
    - ENG308 - World Literature, 1830 to the Present (3)
    - ENG318 - Women's Literature (3)
    - ENG319 - Gay and Lesbian Literature (3)
    - ENG320 - Survey in African-American Literature (3)
    - ENG336 - Special Topics in Diverse Literatures (3)
    - ENG337 - Laboring-Class Literature (3)
    - ENG362 - Linguistic Diversity Across Cultures (3)
  - One of the following Figures and Movements courses:
  - Completed at least 1 of the following:

        - ENG332 - Contemporary Rhetoric and the Written Argument (3)
        - ENG334 - Shakespeare (3)
        - PHI498 - Major Figures (3)
    - Required Limited Electives:
    - Completed the following:
        - ENG228 - Standard English Usage (3)
    - Completed at least 1 of the following:
        - TSL330 - Foundations of Teaching Methods and Technology for English Learners (3)
        - undefined 301 - Methods and Materials for Online Language Teaching (3)
    - Completed the following:
        - TSL331 - Strategies and Materials for Teaching English Learners (3)
        - TSL409 - Acquisition of Languages in Children and Adolescents (3)
        - TSL480 - Effective Pedagogy: Differentiation, Assessment, and Advocacy (3)
    - And the following courses, if not taken in the core:
    - Completed the following:
        - ENG310 - Introduction to English Linguistics (3)
        - ENG362 - Linguistic Diversity Across Cultures (3)
        - TSL421 - Research in Second Language Learning and Teaching (3)
    - Required for Secondary Certification:
    - Earned a minimum grade of B in each of the following:
        - EDU280 - Educating for Human Development (3)
        - HUM180 - Explore Teaching in the Humanities (3)
        - HUM380 - Inclusive Teaching of Diverse Learners in Humanities (3)
    - Completed the following:
        - EDU485 - Professional Perspectives for Teaching (1)
        - ELE421 - Student Teaching Elementary P-5, IECE (7 - 14)
        - SEC420 - Practicum in Secondary Schools (3)
        - SEC421 - Student Teaching in the Secondary School (7 - 14)
        - SEC422 - Extended Practicum (4)

Grand Total Credits: **77 - 91**

Minimum Credential Hours

120

Specialization Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

L. Trites

English Core ([object Object]) - English/Teaching English to Speakers of Other Languages Track (area/non-certification)

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

English Core ([object Object]) - English/Teaching English to Speakers of Other Languages Track (area/non-certification)

Degree

BA: Bachelor of Arts

CIP Code

230101

Specialization Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Specialization Type

Area

Description

Note: This Area does not lead to Teacher Certification

Specifically Required University Studies

- Completed the following:
  - ENG201 - Introduction to Literature (3)

Grand Total Credits: **3**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ENG100T - Transitions (1)
  - One of the following Historical Foundations requirements:
  - Complete 1 of the following
    - Completed the following:
      - ENG303 - British Literature to 1760 (3)
      - ENG312 - American Literature 1865 to 1945 (3)
    - Completed the following:
      - ENG304 - British Literature, 1760 to the Present (3)
      - ENG311 - American Literature to 1865 (3)
  - One of the following Writing/Theory courses:
  - Completed at least 1 of the following:
    - ENG321 - Research in Literary Studies (3)
    - ENG322 - Rhetorical and Professional Writing (3)
    - TSL421 - Research in Second Language Learning and Teaching (3)
  - One of the following Language Systems courses:
  - Completed at least 1 of the following:
    - ENG309 - History of English Language (3)
    - ENG310 - Introduction to English Linguistics (3)
  - One of the following Genre courses:
  - Completed at least 1 of the following:
    - ENG360 - Literature and Philosophy (3)
    - ENG380 - Advanced Genre Study in Poetry and Poetics (3)
    - ENG381 - Advanced Genre Study in Drama (3)
    - ENG382 - Advanced Genre Study in Fiction (3)
  - One of the following Diversity courses:
  - Completed at least 1 of the following:
    - ENG308 - World Literature, 1830 to the Present (3)
    - ENG318 - Women's Literature (3)
    - ENG319 - Gay and Lesbian Literature (3)
    - ENG320 - Survey in African-American Literature (3)
    - ENG336 - Special Topics in Diverse Literatures (3)
    - ENG337 - Laboring-Class Literature (3)
    - ENG362 - Linguistic Diversity Across Cultures (3)

- One of the following Figures and Movements courses:
- Completed at least 1 of the following:
  - ENG332 - Contemporary Rhetoric and the Written Argument (3)
  - ENG334 - Shakespeare (3)
  - PHI498 - Major Figures (3)
- Required Limited Electives:
- Completed the following:
  - ENG228 - Standard English Usage (3)
  - ENG362 - Linguistic Diversity Across Cultures (3)
  - ENG392 - Professional Engagement (1 - 6)
  - HUM180 - Explore Teaching in the Humanities (3)
  - HUM380 - Inclusive Teaching of Diverse Learners in Humanities (3)
  - TSL331 - Strategies and Materials for Teaching English Learners (3)
  - TSL409 - Acquisition of Languages in Children and Adolescents (3)
  - TSL421 - Research in Second Language Learning and Teaching (3)
  - TSL480 - Effective Pedagogy: Differentiation, Assessment, and Advocacy (3)
- Take whichever course was not taken in the core:
- Completed at least 1 of the following:
  - ENG309 - History of English Language (3)
  - ENG310 - Introduction to English Linguistics (3)
- Completed at least 1 of the following:
  - undefined 301 - Methods and Materials for Online Language Teaching (3)
  - TSL330 - Foundations of Teaching Methods and Technology for English Learners (3)
- Required Limited English Electives:
- Earned at least 12 credits from the following:
  - ENG214 - Introduction to Creative Writing (3)
  - ENG303 - British Literature to 1760 (3)
  - ENG304 - British Literature, 1760 to the Present (3)
  - ENG311 - American Literature to 1865 (3)
  - ENG312 - American Literature 1865 to 1945 (3)
  - ENG307 - World Literature to 1830 (3)
  - ENG308 - World Literature, 1830 to the Present (3)
  - ENG329 - Teaching English in Secondary Schools (3)
  - ENG435 - Young Adult Literature (3)
  - ENG445 - Teaching Reading and Writing in the Secondary School (3)
  - TSL330 - Foundations of Teaching Methods and Technology for English Learners (3)
  - undefined 301 - Methods and Materials for Online Language Teaching (3)

Grand Total Credits: **65 - 70**

Minimum Credential Hours

120

Specialization Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

L. Trites

English Core ([object Object]) - English/Teaching English to Speakers of Other Languages Track (major/non-certification)

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

English Core ([object Object]) - English/Teaching English to Speakers of Other Languages Track (major/non-certification)

Degree

BA: Bachelor of Arts

CIP Code

230101

Specialization Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Specialization Type

Major

Description

Note: This major does not lead to Teacher Certification

Specifically Required University Studies

- Completed the following:
  - ENG201 - Introduction to Literature (3)

Grand Total Credits: **3**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ENG100T - Transitions (1)
  - One of the following Historical Foundations requirements:
  - Complete 1 of the following
    - Completed the following:
      - ENG303 - British Literature to 1760 (3)
      - ENG312 - American Literature 1865 to 1945 (3)
    - Completed the following:
      - ENG304 - British Literature, 1760 to the Present (3)
      - ENG311 - American Literature to 1865 (3)
  - One of the following Writing/Theory courses:
  - Completed at least 1 of the following:
    - ENG321 - Research in Literary Studies (3)
    - ENG322 - Rhetorical and Professional Writing (3)
    - TSL421 - Research in Second Language Learning and Teaching (3)
  - One of the following Language Systems courses:
  - Completed at least 1 of the following:
    - ENG309 - History of English Language (3)
    - ENG310 - Introduction to English Linguistics (3)
  - One of the following Genre courses:
  - Completed at least 1 of the following:
    - ENG360 - Literature and Philosophy (3)
    - ENG380 - Advanced Genre Study in Poetry and Poetics (3)
    - ENG381 - Advanced Genre Study in Drama (3)
    - ENG382 - Advanced Genre Study in Fiction (3)
  - One of the following Diversity courses:
  - Completed at least 1 of the following:
    - ENG308 - World Literature, 1830 to the Present (3)

        - ENG318 - Women's Literature (3)
        - ENG319 - Gay and Lesbian Literature (3)
        - ENG320 - Survey in African-American Literature (3)
        - ENG336 - Special Topics in Diverse Literatures (3)
        - ENG337 - Laboring-Class Literature (3)
        - ENG362 - Linguistic Diversity Across Cultures (3)
    - One of the following Figures and Movements courses:
    - Completed at least 1 of the following:
        - ENG332 - Contemporary Rhetoric and the Written Argument (3)
        - ENG334 - Shakespeare (3)
        - PHI498 - Major Figures (3)
    - Required Limited Electives:
    - Completed the following:
        - ENG228 - Standard English Usage (3)
        - ENG392 - Professional Engagement (1 - 6)
        - HUM180 - Explore Teaching in the Humanities (3)
        - HUM380 - Inclusive Teaching of Diverse Learners in Humanities (3)
        - TSL409 - Acquisition of Languages in Children and Adolescents (3)
        - TSL480 - Effective Pedagogy: Differentiation, Assessment, and Advocacy (3)
    - Completed at least 1 of the following:
        - undefined 301 - Methods and Materials for Online Language Teaching (3)
        - TSL330 - Foundations of Teaching Methods and Technology for English Learners (3)
        - TSL331 - Strategies and Materials for Teaching English Learners (3)
    - The following courses are required if not taken in the core:
    - Completed the following:
        - ENG310 - Introduction to English Linguistics (3)
        - ENG362 - Linguistic Diversity Across Cultures (3)
        - TSL421 - Research in Second Language Learning and Teaching (3)
    - Completed at least 21 credits from the following types of courses:
      Required Minor

Grand Total Credits: **71 - 76**

Minimum Credential Hours

120

Specialization Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

L. Trites

English Education (Minor)

Program Name

English Education

Degree

Minor

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Description

Non-teaching minor that does not lead to certification.

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ENG201 - Introduction to Literature (3)
    - ENG329 - Teaching English in Secondary Schools (3)
  - Earned at least 15 credits from the following:
    - ENG107 - Teacher Bridge Writing Project (3)
    - ENG214 - Introduction to Creative Writing (3)
    - ENG228 - Standard English Usage (3)
    - ENG425 - Teaching Literature, Writing and Grammar in Middle Schools (3)
    - ENG435 - Young Adult Literature (3)
    - ENG445 - Teaching Reading and Writing in the Secondary School (3)
    - TSL330 - Foundations of Teaching Methods and Technology for English Learners (3)
    - TSL331 - Strategies and Materials for Teaching English Learners (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

Dept Chair

English Pedagogy (DA: Doctors of Arts)

Program Name

English Pedagogy

Degree

DA: Doctors of Arts

CIP Code

230101

Program Level

Graduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Graduate Program Type

Graduate Degree

Description

The mission of the Doctor of Arts program in English Pedagogy is to develop master educators within the broad content area of English from elementary through secondary and developmental levels in western Kentucky and other regions. The objectives of the Doctor of Arts program in English Pedagogy are
1) to foster the advanced development of content expertise in English for teaching at the elementary school, middle school, high school, and adult education levels;
2) to provide professional educators with skills in pedagogical research to refine and improve their teaching practice with special regard to teaching diverse populations and differentiating instruction;
3) to provide professional educators with skills to participate in curriculum development and assessment;
4) to provide supportive experiences to teachers who are preparing National Board Certification submissions in English-related areas;
5) to enable professional educators to refine their abilities to facilitate college readiness in English;
6) to provide professional educators with opportunities to develop expertise in the uses of instructional technology in individual classroom settings and in overall curricula.

Requirements for Admission
Applicants must comply with the Murray State University requirements for admission to graduate programs (see Chapter 2 of the *Murray State University Academic Bulletin*). For non native speakers of English, a TOEFL score of 20 for each section of the iBT, an IELTS score of 6.5 with no band lower than 6.0 is required; however if non-native English speakers submit English proficiency test scores below the minimum, English proficiency will be interpreted in light of other evidence of English proficiency, such as prior degrees from higher education institutions at which English is the language of instruction, publications in English, etc.

Additional requirements for unconditional and conditional admission are:
Unconditional
• Master's degree in English, English Education, TESOL, or closely related discipline (including Education with significant coursework in English language arts such as reading, writing, and literacy), with 30 graduate credit-hours and a graduate GPA of 3.2 or higher;
• Completion of a graduate-level research skills course in English, English Education, TESOL, or closely related discipline with a grade of 3.0 or higher;
• Sample of writing in the field judged to be indicative of likely success in a doctoral program;
• Portfolio of teaching materials of the applicant's own design indicative of teaching ability,
• Three satisfactory letters of reference, at least two of which address the applicant's academic ability and at least one of which addresses the applicant's teaching ability;
• Satisfactory interview with graduate faculty.

Conditional
• Master's degree in English, English Education, TESOL, or closely related discipline (including Education with significant coursework in English language arts such as reading, writing, and literacy), with 30 graduate credit-hours and a graduate GPA of 3.0;
• Departmental judgment of probable success based on
-Sample of writing in the field judged to be indicative of likely success in a doctoral program;
-Portfolio of teaching materials of the applicant's own design indicative of teaching ability,
-Three satisfactory letters of reference, at least two of which address the applicant's academic ability and at least one of which addresses the applicant's teaching ability;
-Satisfactory interview with graduate faculty;
-Other evidence such as teaching experience, professional achievement, GRE General Test scores indicative of likely success in a doctoral program;
-and/or a planned program of prerequisite courses.

Note: Meeting the above criteria does not guarantee admission to a cohort, since admission to a cohort is competitive. The department may also defer admission to a later date.

Program Contact Information

Graduate Coordinator: Kevin Binfield 7C9 Faculty Hall (270) 809-2401

Default Advisor

K. Binfield

English Pedagogy (DA: Doctors of Arts) - English Pedagogy/K-12 English Language, Language Arts, and Literacy Specialization

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

English Pedagogy (DA: Doctors of Arts) - English Pedagogy/K-12 English Language, Language Arts, and Literacy Specialization

Degree

DA: Doctors of Arts

CIP Code

230101

Specialization Level

Graduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Graduation Requirements

ENG 997 and 998 are capstone project courses.

Other Degree Requirements
• Qualifying examination over an approved reading list after completion of at least 24 hours of coursework. National Board Certification may substitute for the qualifying examination.
• Evaluation of progress upon completion of qualifying examination to determine whether the student will continue to the candidacy/ capstone phase of the program.
• Oral excursus of capstone project.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ENG900 - Methods of Analysis and Reflection in English Pedagogy (3)
    - ENG907 - Theories of Curriculum Design and Application in English (3)
    - ENG908 - Assessment in English (3)
    - ENG977 - Instructional Technology for English (3)
    - ENG997 - Applied Practice I (6)
    - ENG998 - Applied Practice II (6)
  - Language, Language Arts, and Literacy Restricted Electives:
  - Earned at least 6 credits from the following:
    - ENG981 - Content Knowledge in English for Age Level (1)
    - ENG982 - Differentiation of Instruction in English (1)
    - ENG983 - Teaching Practice and Classroom Environments in English (3)
    - ENG984 - Effective and Reflecting English Teaching Practice (1)
  - Completed at least 18 credits from the following types of courses:
    ENG courses 600-level or above appropriate to specialization with Director approval

Grand Total Credits: **48**

Minimum Credential Hours

48

Specialization Contact Information

Graduate Coordinator: Kevin Binfield 7C9 Faculty Hall (270) 809-2401

Default Advisor

K. Binfield

English Pedagogy (DA: Doctors of Arts) - English Pedagogy/Teaching English Language Specialization

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

English Pedagogy (DA: Doctors of Arts) - English Pedagogy/Teaching English Language Specialization

Degree

DA: Doctors of Arts

CIP Code

230101

Specialization Level

Graduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Graduation Requirements

ENG 997 and 998 are capstone project courses.

Other Degree Requirements

• Qualifying examination over an approved reading list after completion of at least 24 hours of coursework.
• Evaluation of progress upon completion of qualifying examination to determine whether the student will continue to the candidacy/ capstone phase of the program.
• Oral excursus of capstone project.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ENG900 - Methods of Analysis and Reflection in English Pedagogy (3)
    - ENG907 - Theories of Curriculum Design and Application in English (3)
    - ENG908 - Assessment in English (3)
    - ENG977 - Instructional Technology for English (3)
    - ENG997 - Applied Practice I (6)
    - ENG998 - Applied Practice II (6)
  - Teaching English Language Limited Electives:
  - Earned at least 6 credits from the following:
    - ENG601 - Teaching Writing (3)
    - ENG618 - Introduction to Linguistic Science (3)
    - ENG634 - Language and Culture (3)
    - TSL609 - Foundations of Second Language Acquisition (3)
  - Completed at least 18 credits from the following types of courses:
    ENG and TSL courses at the 600-level and above with Director approval

Grand Total Credits: **48**

Minimum Credential Hours

48

Specialization Contact Information

Graduate Coordinator: Kevin Binfield 7C9 Faculty Hall (270) 809-2401

Default Advisor

K. Binfield

English Pedagogy (DA: Doctors of Arts) - English Pedagogy/Teaching English Literacy K-Adult Specialization

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

English Pedagogy (DA: Doctors of Arts) - English Pedagogy/Teaching English Literacy K-Adult Specialization

Degree

DA: Doctors of Arts

CIP Code

230101

Specialization Level

Graduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Graduation Requirements

ENG 997 and 998 are capstone project courses.

Other Degree Requirements
• Qualifying examination over an approved reading list after completion of at least 24 hours of coursework.
• Evaluation of progress upon completion of qualifying examination to determine whether the student will continue to the candidacy/ capstone phase of the program.
• Oral excursus of capstone project.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ENG900 - Methods of Analysis and Reflection in English Pedagogy (3)
    - ENG907 - Theories of Curriculum Design and Application in English (3)
    - ENG908 - Assessment in English (3)
    - ENG977 - Instructional Technology for English (3)
    - ENG997 - Applied Practice I (6)
    - ENG998 - Applied Practice II (6)
  - Teaching English Literacy K-Adult Limited Electives:
  - Earned at least 6 credits from the following:
    - ENG601 - Teaching Writing (3)
    - ENG750 - Purchase Area Literacy Academy (3)
    - ENG752 - The Reading/Writing Connection in English (3)
    - ENG955 - Seminar in English Literacy (3)
    - ENG957 - Seminar in Adult Literacy (3)
  - Earned 18 credits from the following (any ENG 600-999 course or courses specified below):
  - Completed at least 18 courses from: Courses from ENG 600-999
    - LIB617 - Research in Young Adult Literature (3)
    - REA612 - Foundations of Literacy (3)
    - REA618 - Content Area Literacy K-12 (3)
    - REA628 - Literacy Assessment (3)

Grand Total Credits: **42**

Minimum Credential Hours

48

Specialization Contact Information

Graduate Coordinator: Kevin Binfield 7C9 Faculty Hall (270) 809-2401

Default Advisor

K. Binfield

English Pedagogy (DA: Doctors of Arts) - English Pedagogy/Teaching English Literature Specialization

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

English Pedagogy (DA: Doctors of Arts) - English Pedagogy/Teaching English Literature Specialization

Degree

DA: Doctors of Arts

CIP Code

230101

Specialization Level

Graduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Graduation Requirements

ENG 997 and 998 are capstone project courses.

Other Degree Requirements
• Qualifying examination over an approved reading list after completion of at least 24 hours of coursework.
• Evaluation of progress upon completion of qualifying examination to determine whether the student will continue to the candidacy/ capstone phase of the program.
• Oral excursus of capstone project.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ENG900 - Methods of Analysis and Reflection in English Pedagogy (3)
    - ENG907 - Theories of Curriculum Design and Application in English (3)
    - ENG908 - Assessment in English (3)
    - ENG977 - Instructional Technology for English (3)
    - ENG997 - Applied Practice I (6)
    - ENG998 - Applied Practice II (6)
  - Teaching English Literature Limited Electives:
  - Earned at least 6 credits from the following:
    - ENG600 - Research and Bibliography (3)
    - ENG602 - Teaching Literature (3)
    - ENG609 - Critical Theory (3)
    - ENG773 - Teaching Selected Authors (3)
  - Completed at least 18 credits from the following types of courses:
    ENG courses at the 600-level and above with Director approval

Grand Total Credits: **48**

Minimum Credential Hours

48

Specialization Contact Information

Graduate Coordinator: Kevin Binfield 7C9 Faculty Hall (270) 809-2401

Default Advisor

K. Binfield

English Pedagogy (DA: Doctors of Arts) - English Pedagogy/Teaching Writing Specialization

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

English Pedagogy (DA: Doctors of Arts) - English Pedagogy/Teaching Writing Specialization

Degree

DA: Doctors of Arts

CIP Code

230101

Specialization Level

Graduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Graduation Requirements

ENG 997 and 998 are capstone project courses.

Other Degree Requirements
• Qualifying examination over an approved reading list after completion of at least 24 hours of coursework.
• Evaluation of progress upon completion of qualifying examination to determine whether the student will continue to the candidacy/ capstone phase of the program.
• Oral excursus of capstone project.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ENG900 - Methods of Analysis and Reflection in English Pedagogy (3)
    - ENG907 - Theories of Curriculum Design and Application in English (3)
    - ENG908 - Assessment in English (3)
    - ENG977 - Instructional Technology for English (3)
    - ENG997 - Applied Practice I (6)
    - ENG998 - Applied Practice II (6)
  - Teaching Writing Limited Electives:
  - Earned at least 6 credits from the following:
    - ENG600 - Research and Bibliography (3)
    - ENG601 - Teaching Writing (3)
    - ENG604 - Purchase Area Writing Project I (3)
    - ENG624 - Historical Principles in Composition Theory (3)
    - ENG681 - Special Topics in Rhetoric and Composition (3)
  - Completed at least 18 credits from the following types of courses:
    ENG courses at the 600-level and above with Director approval

Grand Total Credits: **48**

Minimum Credential Hours

48

Specialization Contact Information

Graduate Coordinator: Kevin Binfield 7C9 Faculty Hall (270) 809-2401

Default Advisor

K. Binfield

Film Studies (Minor)

Program Name

Film Studies

Degree

Minor

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ENG313 - History of the Cinema (3)
    - ENG401 - Film Theory and Criticism (3)
  - Earned at least 15 credits from the following:
    - ENG213 - Film and Literature (3)
    - ENG315 - Global Cinema (3)
    - ENG341 - Introduction to Writing Fiction (3)
    - ENG342 - Introduction to Writing Poetry (3)
    - ENG343 - Special Topics in Creative Writing (3)
    - ENG351 - Special Topics in Film Studies (3)
    - ENG352 - Film Genres (3)
    - ENG400 - Major Film Directors (3)
    - ENG415 - Writer's Workshop: Short Story (3)
    - ENG416 - Writer's Workshop: Poetry (3)
    - ENG460 - Comedy and Satire (3)
    - FRE419 - European Cinema (3)
    - GER419 - European Cinema (3)
    - SPA419 - European Cinema (3)
    - ART382 - Introduction to Photography (3)
    - ART383 - Advanced Digital Photography (3)
    - ART384 - Film/Darkroom Photography (3)
    - ART385 - Moving Image: Screen (3)
    - JMC270 - Media Production (3)
    - JMC336 - Writing for Media Production (3)
    - JMC358 - Television Studio Production (3)
    - MUS106 - Music in Film (3)
    - MUS313 - Introduction to Music Synthesis (1)
  - May include only one of the following: ENG 341, 342, 415, or 416.

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

Dept Chair

Fine Art Photography (Minor)

Program Name

Fine Art Photography

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Art and Design

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

A minimum grade of C is required in all courses.

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ART382 - Introduction to Photography (3)
  - Completed at least 1 of the following:
    - ART383 - Advanced Digital Photography (3)
    - ART384 - Film/Darkroom Photography (3)
  - Completed at least 1 of the following:
    - ART385 - Moving Image: Screen (3)
    - ART483 - Moving Image: Gallery/Intermedia (3)
  - Completed at least 2 of the following:
    - ART329 - Art from 1900 to 1960 (3)
    - ART430 - Art Since 1960 (3)
    - ENG313 - History of the Cinema (3)
    - ENG315 - Global Cinema (3)
    - ART352 - Graph Design III:Layout and Introduction to Design Systems (3)
  - Completed at least 2 of the following:
    - ART350 - Introduction to Graphic Design I: Digital Art (3)
    - ART383 - Advanced Digital Photography (3)
    - ART384 - Film/Darkroom Photography (3)
    - ART385 - Moving Image: Screen (3)
    - ART483 - Moving Image: Gallery/Intermedia (3)
    - ART484 - Directions in Moving Image (3)
    - ART583 - Directions in Photography (3)
    - ART584 - Directions in Intermedia (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Art and Design 604 Price Doyle Fine Arts Center (270) 809-3784

Default Advisor

Dept Chair

Fine Art Photography (CERT: Certificate)

Program Name

Fine Art Photography

Degree

CERT: Certificate

CIP Code

500605

Program Level

Undergraduate

Department

College of Humanities and Fine Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Certificate

Description

The Certificate in Fine Art Photography prepares students for several applications of fine art photography including but not limited to entry-level positions in industries that use the photographic process as well as post-baccalaureate education in a creative academic field that requires examples of creative work. The curriculum covers digital and film photography through all stages of the process such as planning, shooting, editing, manipulation, printing, screen-based display, multimedia integration, and use of text. Examples of technical instruction include hands-on experience with professional portable and studio lighting equipment, 35mm to large format film cameras, scanning film and opaque materials, using large format printers, preparing images for gallery display, darkroom printing and film processing, a full range of digital editing software, and introduction to 4D applications of photographic media. Students learn about ethics and legal considerations when producing and using photographic material.

The curriculum includes coursework using industry-standard hardware, software, cameras, and lighting equipment.

Graduation Requirements

A minimum grade of *C* is required in all courses to receive the certificate.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ART382 - Introduction to Photography (3)
  - Completed at least 1 of the following:
    - ART383 - Advanced Digital Photography (3)
    - ART384 - Film/Darkroom Photography (3)
  - Completed at least 1 of the following:
    - ART385 - Moving Image: Screen (3)
    - ART483 - Moving Image: Gallery/Intermedia (3)
  - Completed at least 2 of the following:
    - ART383 - Advanced Digital Photography (3)
    - ART384 - Film/Darkroom Photography (3)
    - ART385 - Moving Image: Screen (3)
    - ART430 - Art Since 1960 (3)
    - ART483 - Moving Image: Gallery/Intermedia (3)
    - ENG313 - History of the Cinema (3)
    - ENG315 - Global Cinema (3)
    - ENG352 - Film Genres (3)

Grand Total Credits: **15**

Minimum Credential Hours

12

Program Contact Information

Department of Art and Design 604 Price Doyle Fine Arts Center (270) 809-3784

Default Advisor

Dept Chair

Fine Arts (Minor)

Program Name

Fine Arts

Degree

Minor

Program Level

Undergraduate

Department

Art and Design

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ART121 - Art and Visual Culture (3)
    - MUS105 - Introduction to Music History (3)
    - THD104 - The Theatrical Experience (3)
  - Earned at least 12 credits from: Courses from ART MUS, or THD -
    - PHI325 - Philosophy of Art (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Music 504 Price Doyle Fine Arts Center (270) 809-4288

Default Advisor

Dept Chair

French (Minor)

Program Name

French

Degree

Minor

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses and six hours must be completed in residence at Murray State University.

The department strongly recommends that minors study abroad for at least one summer.

Program Requirements

- Complete all of the following
  - Completed the following:
    - FRE201 - Intercultural Communications in French (3)
  - Completed at least 1 of the following:
    - FRE202 - Practical Applications in French (3)
    - FRE203 - French for the Working World (3)
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - FRE301 - Social Issues in French Texts (3)
    - Earned a minimum grade of C in each of the following:
      - FRE302 - Conversation and Composition (3)
    - Earned a minimum grade of C in each of the following:
      - FRE331 - Advanced Language Practice (3)
  - Completed at least 12 credits from the following types of courses: Advisor Approved Electives

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

Dept Chair

French Language and Culture (CERT: Certificate)

Program Name

French Language and Culture

Degree

CERT: Certificate

CIP Code

160901

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Certificate

Graduation Requirements

Note: the department strongly recommends that students study abroad.

Program Requirements

- Complete all of the following
  - Completed the following:
    - FRE101 - Fundamental Communication in French (3)
    - FRE102 - Social Interactions in French (3)
    - FRE201 - Intercultural Communications in French (3)
  - Completed at least 1 of the following:
    - FRE202 - Practical Applications in French (3)
    - FRE210 - Intermediate French Conversation (3)
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - FRE301 - Social Issues in French Texts (3)
    - Earned a minimum grade of C in each of the following:
      - FRE302 - Conversation and Composition (3)
    - Earned a minimum grade of C in each of the following:
      - FRE331 - Advanced Language Practice (3)
  - Earned at least 3 credits from FRE 300 - 599

Grand Total Credits: **18**

Minimum Credential Hours

12

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

Dept Chair

Game Design (CERT: Certificate)

Program Name

Game Design

Degree

CERT: Certificate

CIP Code

500102

Program Level

Undergraduate

Department

College of Humanities and Fine Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Certificate

Description

The Certificate in Game Design program prepares students for entry-level positions in the game design industry. The curriculum covers technical areas in-game programming languages, animation and illustration, computer graphics, computer science, and creative writing/storytelling. Students learn about all facets of game design and development, from the beginning to the final stages of production. Throughout the program, students are encouraged to learn to create two- and three-dimensional graphics and interactive environments.

The curriculum includes coursework using industry-standard hardware and software to develop a variety of gaming and pre-gaming projects.

Graduation Requirements

A minimum grade of *C* is required in all courses to receive the certificate.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ART350 - Introduction to Graphic Design I: Digital Art (3)
    - CSC275 - Introduction to Game Programming (3)
    - ENG341 - Introduction to Writing Fiction (3)
  - Completed at least 2 of the following:
    - ART351 - Graph Design II: Type And Image (3)
    - ART354 - Illustration (3)
    - ART357 - Motion Graphics (3)
    - ART362 - Digital Sculpt: 3D Modeling and Printing (3)
    - CSC575 - Computer Animation and Game Development (3)

Grand Total Credits: **15**

Minimum Credential Hours

12

Program Contact Information

Department of Art and Design 604 Price Doyle Fine Arts Center (270) 809-3784

Default Advisor

Dept Chair

Gender and Diversity Studies (Minor)

Program Name

Gender and Diversity Studies

Degree

Minor

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - GDS201 - Introduction to Gender and Diversity Studies (3)
  - Earned at least 18 credits from the following:
    - ANT140 - Exploring World Cultures (3)
    - ANT329 - North American Indians (3)
    - ANT343 - Race and Ethnicity (3)
    - ANT344 - The Black Experience (3)
    - ANT596 - The Minority Elderly (3)
    - ARC150 - Introduction to Archaeology (3)
    - ARC330 - North American Archaeology (3)
    - ART211 - A Survey of Art from Antiquity to the Baroque (3)
    - ART212 - A Survey of Art from the Enlightenment to the Present (3)
    - ART213 - Art of Global Cultures (3)
    - CHN105 - Introduction to Chinese Culture (3)
    - CHN340 - Chinese Diversity Through Food (3)
    - COM340 - Intercultural Communication (3)
    - ECO140 - Contemporary Economics (3)
    - EES110 - World Geography (3)
    - ENG245 - The African American Experience in Literature (3)
    - ENG250 - Contemporary World Literature (3)
    - ENG318 - Women's Literature (3)
    - ENG319 - Gay and Lesbian Literature (3)
    - ENG320 - Survey in African-American Literature (3)
    - FRE105 - Introduction to French Culture (3)
    - GDS351 - Topics in Gender and Diversity (3)
    - GDS412 - Directed Study in Gender and Diversity Studies (3)

        - GER105 - Introduction to German Culture (3)
        - HIS309 - Survey of World Religions (3)
        - HIS315 - Women in American History (3)
        - HIS316 - Women and Gender in World History (3)
        - HIS320 - African-American History (3)
        - HIS340 - Modern East Asia (3)
        - HIS350 - History of Latin America (3)
        - HIS354 - Ancient Near East (3)
        - HIS355 - A Global History of Islam to 1800 (3)
        - HIS359 - Early India (3)
        - HIS360 - Modern India (3)
        - HIS370 - History of Africa (3)
        - HIS450 - Modern Africa (3)
        - HIS451 - Africa, Slavery and the Diaspora (3)
        - HIS472 - Modern China (3)
        - HIS474 - China in Revolution (3)
        - HIS475 - Modern Japan (3)
        - HIS481 - Revolutionary Mexico 1810 to the Present (3)
        - JPN105 - Introduction to Japanese Culture (3)
        - POL342 - Ethnic Politics (3)
        - POL356 - Modern Middle East (3)
        - POL445 - Constitutional Law I: Developments and Trends (3)
        - POL453 - Government and Politics of Latin America (3)
        - POL454 - Government and Politics of Asia (3)
        - PSY221 - Psychology of Human Sexuality (3)
        - PSY302 - Topical Seminar (3)
        - SOC231 - Social Problems (3)
        - SOC250 - Global Sociology (3)
        - SOC331 - The Family (3)
        - SOC334 - Sociology of Migration (3)
        - SOC337 - Social Inequality (3)
        - SOC343 - Race and Ethnicity (3)
        - SOC355 - Sociology of Gender (3)
        - SPA105 - Introduction to Hispanic Culture (3)
        - SWK225 - Human Diversity (3)
    - Only one course from the following will count toward the minor: CHN 105, FRE 105, GER 105, JPN 105, SPA 105.

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

Dept Chair

General Experimental Psychology (MA/MS: Master of Arts or Master of Science)

Program Name

General Experimental Psychology

Degree

MA/MS: Master of Arts or Master of Science

CIP Code

422704

Program Level

Graduate

Department

Psychology

College

College of Humanities and Fine Arts

Graduate Program Type

Graduate Degree

Description

The curricula in the psychology graduate programs have been developed to provide exposure to the breadth of psychology as well as intensive study of those areas which are currently of greatest concern in the field. In addition, work in statistics and research design is provided and participation in research is encouraged. The program in clinical psychology is approved by the Masters in Psychology and Counseling Accreditation Council (MPCAC). Psychology graduate courses are offered on a regularly scheduled rotation. Assuming no undergraduate course deficiencies, it is possible for a student to complete either degree program in two years.

Requirements for Admission
The deadline for submission of applications is April 5. Early submission of applications is encouraged, as admission is competitive. Applications arriving after April 5 will be considered only if space is available. Applicants must meet the Murray State University requirements (see *Graduate Admissions*).

Additional requirements for unconditional and conditional admission are as follows:
For non-native speakers of English, a minimum IELTS score of 6.5. Applications arriving after March 15 will be considered only if space is available. Applicants must meet the Murray State University requirements (see *Graduate Admissions*). Additional requirements for unconditional and conditional admission are as follows. For non-native speakers of English, a minimum IELTS score of 6.5, a paper-based TOEFL score of 550, an internet-based TOEFL score of 88, or a previous degree earned from an accredited United States institution is required.

Unconditional
• A minimum of 15 undergraduate credit hours in psychology, including courses in research methods and statistics or their equivalent.
• A grade point average of 3.0 or higher overall and in psychology courses.
• Official score report of the Graduate Record Examination.
• Three letters of recommendation.
• A written statement of purpose for entering graduate work in psychology.
• For the general experimental program, a statement of personal research interests.

Conditional
The Department of Psychology does not normally admit students who fail to meet the university requirements for unconditional admission (see Graduate Admissions). However, students who otherwise meet those standards but lack the prerequisite undergraduate courses in psychology are encouraged to enroll in those classes as irregular or unclassified students. Such students should contact the department chairperson.

In some cases, students lacking only one or two undergraduate prerequisite courses may be admitted with the understanding that they must complete those undergraduate courses along with their graduate courses.

Note: Admission into the Department of Psychology graduate programs obligates students to adhere to the ethical standards of the American Psychological Association as well as the academic conduct principles and the interpersonal skills policies of the department. Any violation of these is cause for dismissal from the program. In the case of the clinical program, the department reserves the right to deny admission to or discontinue the training of any student who in the judgment of the department’s graduate training committee would not be able to function competently in the profession of clinical psychology.

Graduation Requirements

Additional Degree Requirements
The Department of Psychology has set the following additional requirements for academic performance by students in its graduate programs; these requirements are separate from the minimum university regulations for scholastic probation governing graduate students.

A graduate student will be placed on probation with his/her graduate program if he/she has completed nine or more semester hours of graduate coursework with a grade point average of less than 3.00 or he/she has earned a grade of *C* or lower in a required graduate course.

A graduate student who is placed on probation in his/her graduate program must show the following improvements during the fall or spring term immediately following the term in which the student was placed on program probation: he/she must earn grades of *B* or above in all graduate courses and must improve his/her cumulative grade point average.

A graduate student who has been placed on probation in his/her graduate program and who fails to achieve both of these criteria for improvement will be dismissed from the program.

A graduate student who has been dismissed from his/her program for failure to meet these requirements may appeal in wiring to the Psychology Department Graduate Training Committee for readmission.

Other Degree Requirements
Oral defense and examination of the thesis
Competency in an approved foreign language (MA only)

Program Requirements

- Complete all of the following
  - Foundations of Behavior:
  - Completed the following:
    - PSY610 - Graduate Seminar in General Experimental Psychology (3)
    - PSY621 - Biological Bases of Behavior (3)
    - PSY622 - Cognitive Bases of Behavior (3)
    - PSY623 - Social Bases of Behavior (3)
    - PSY624 - Developmental Base of Behavior (3)
  - Research Foundations:
  - Completed the following:
    - PSY651 - Correlational Research Design and Statistics (3)
    - PSY652 - Univariate Research Design and Statistics (3)
    - PSY698 - Thesis (3)
    - PSY699 - Thesis (3)
  - Completed at least 9 credits from the following types of courses:
    600-level Approved Electives

Grand Total Credits: **36**

Minimum Credential Hours

30

Program Contact Information

Department of Psychology 212A Wells Hall (270) 809-2851

Default Advisor

J. Hackathorn

German (Minor)

Program Name

German

Degree

Minor

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses and six hours must be completed in residence at Murray State University.

The department strongly recommends that minors study abroad for at least one summer.

Program Requirements

- Complete all of the following
  - Completed the following:
    - GER201 - Intercultural Communications in German (3)
  - Completed at least 1 of the following:
    - GER202 - Practical Applications in German (3)
    - GER203 - German for the Working World (3)
  - Earned a minimum grade of C in each of the following:
    - GER301 - Social Issues in German Texts (3)
    - GER331 - Advanced Language Practice (3)
  - Completed at least 9 credits from the following types of courses:
    Advisor Approved Electives

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

Dept Chair

German Language and Culture (CERT: Certificate)

Program Name

German Language and Culture

Degree

CERT: Certificate

CIP Code

160501

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Certificate

Graduation Requirements

Note: the department strongly recommends that students study abroad.

Program Requirements

- Complete all of the following
  - Completed the following:
    - GER101 - Fundamental Communication in German (3)
    - GER102 - Social Interactions in German (3)
    - GER201 - Intercultural Communications in German (3)
  - Completed at least 1 of the following:
    - GER202 - Practical Applications in German (3)
    - GER210 - Intermediate Conversational German (3)
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - GER301 - Social Issues in German Texts (3)
    - Earned a minimum grade of C in each of the following:
      - GER302 - Conversation and Composition (3)
    - Earned a minimum grade of C in each of the following:
      - GER331 - Advanced Language Practice (3)
  - Earned at least 3 credits from GER 300 - 599

Grand Total Credits: **18**

Minimum Credential Hours

12

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

Dept Chair

Global Language/Japanese Teaching Certification Track (BA: Bachelor of Arts)

Program Name

Global Language/Japanese Teaching Certification Track

Degree

BA: Bachelor of Arts

CIP Code

169999

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Area

Graduation Requirements

Note: Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, a public speaking course, and HUM 180 or equivalent course. Additional requirements for admission to teacher education and student teaching must be met.

Students should see their academic advisor or the Office of Teacher Education Services for details.

Note: Intermediate level modern language courses completed as part of the major or minor also satisfy modern language requirements for the BA. All majors and minors, including those who score at or above the 301 level on the Placement Exam, will be required to take JPN 301 for the Japanese Track, Japanese Translation and Interpretation Track, and Japanese/Teaching Certification track. JPN 301 serves as a gateway course to the upper-level culture and literature courses. A minimum grade of *C* is required. GLT 400 is required for the major; passing scores on the third year proficiency exams are required for entry into GLT 400.

Note: The department strongly recommends that majors study abroad for at least one summer.

Each student must submit a senior research project.

Credit for JPN 101 and 102 may not be used for the major but will be counted for graduation.

Program Requirements

- Complete all of the following
  - Choose courses ONLY in your targeted language track:
  - Completed the following:
    - GLT100T - Transitions (1)
  - Complete 1 of the following
    - Completed the following:
      - JPN201 - Intermediate Japanese I (3)
      - JPN202 - Intermediate Japanese II (3)
      - JPN301 - Japanese Conversation and Composition (3)
      - JPN302 - Japanese Conversation and Composition (3)
      - JPN331 - Advanced Language Practice (3)
      - JPN460 - Studies in a Genre (3)
    - Completed the following:
      - SPA201 - Intercultural Communications in Spanish (3)
      - SPA202 - Practical Applications in Spanish (3)
      - SPA301 - Conversation and Composition I (3)
      - SPA302 - Conversation and Composition II (3)
      - SPA331 - Advanced Language Practice (3)
      - SPA460 - Studies in a Genre (3)
  - Limited Electives:
  - Completed the following:
    - GLT400 - Senior Seminar (3)
  - Completed at least 1 of the following:
    - JPN421 - Topics in Japanese Literature (3)
    - JPN441 - Topics in Japanese Cultural Studies (3)
    - JPN460 - Studies in a Genre (3)
  - Approved Electives in Japanese:
  - Completed the following:
    - JPN401 - Advanced Japanese I (3)
    - JPN402 - Advanced Japanese II (3)
  - Completed at least 1 of the following:
    - JPN306 - Introduction to Japanese Literature (3)
    - JPN315 - Global Cinema in Japanese (3)
    - JPN323 - Japanese Culture and Civilization (3)
    - JPN324 - Contemporary Japanese Culture and Civilization (3)
    - JPN350 - Modern Japanese Literature in Translation (3)
  - Required Support Course:
  - Completed at least 1 of the following:
    - ART425 - Arts of Africa and Asia (3)
    - HIS340 - Modern East Asia (3)
    - HIS475 - Modern Japan (3)
    - POL454 - Government and Politics of Asia (3)
  - Required for Teaching Certificate:
  - Earned a minimum grade of B in each of the following:
    - HUM180 - Explore Teaching in the Humanities (3)
    - EDU280 - Educating for Human Development (3)
    - HUM380 - Inclusive Teaching of Diverse Learners in Humanities (3)
    - EDU485 - Professional Perspectives for Teaching (1)
  - Completed the following:
    - GLT514 - Methods of Teaching Foreign Languages (3)
    - SEC420 - Practicum in Secondary Schools (3)
    - SEC421 - Student Teaching in the Secondary School (7 - 14)
    - SEC422 - Extended Practicum (4)

Grand Total Credits: **64 - 71**

Minimum Credential Hours

120

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

T. Romero-Gonzalez

Global Language/Japanese Track (BA: Bachelor of Arts)

Program Name

Global Language/Japanese Track

Degree

BA: Bachelor of Arts

CIP Code

169999

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Major

Graduation Requirements

Note: Intermediate level modern language courses completed as part of the major or minor also satisfy modern language requirements for the B.A. All majors and minors, including those who score at or above the 301 level on the Placement Exam, will be required to take JPN 301 for the Japanese Track, Japanese Translation and Interpretation Track, and Japanese/Teaching Certification track. JPN 301 serves as a gateway course to the upper level culture and literature courses. A minimum grade of *C* is required. GLT 400 is required for the major; passing scores on the third year proficiency exams are required for entry into GLT 400.

Note: The department strongly recommends that majors study abroad for at least one summer.

Each student must submit a senior research project.

Credit for JPN 101 and 102 may not be used for the major but will be counted for graduation.

Program Requirements

- Complete all of the following
  - Choose courses ONLY in your targeted language track:
  - Completed the following:
    - GLT100T - Transitions (1)
  - Complete 1 of the following
    - Completed the following:
      - JPN201 - Intermediate Japanese I (3)
      - JPN202 - Intermediate Japanese II (3)
      - JPN301 - Japanese Conversation and Composition (3)
      - JPN302 - Japanese Conversation and Composition (3)
      - JPN331 - Advanced Language Practice (3)
      - JPN460 - Studies in a Genre (3)
    - Completed the following:
      - SPA201 - Intercultural Communications in Spanish (3)
      - SPA202 - Practical Applications in Spanish (3)
      - SPA301 - Conversation and Composition I (3)
      - SPA302 - Conversation and Composition II (3)
      - SPA331 - Advanced Language Practice (3)
      - SPA460 - Studies in a Genre (3)
  - Limited Electives:
  - Completed the following:
    - GLT400 - Senior Seminar (3)
  - Completed at least 1 of the following:
    - JPN421 - Topics in Japanese Literature (3)
    - JPN441 - Topics in Japanese Cultural Studies (3)
    - JPN460 - Studies in a Genre (3)
  - Approved Electives in Japanese:
  - Completed the following:
    - JPN401 - Advanced Japanese I (3)
    - JPN402 - Advanced Japanese II (3)
  - Completed at least 1 of the following:
    - JPN306 - Introduction to Japanese Literature (3)
    - JPN315 - Global Cinema in Japanese (3)
    - JPN323 - Japanese Culture and Civilization (3)
    - JPN324 - Contemporary Japanese Culture and Civilization (3)
    - JPN350 - Modern Japanese Literature in Translation (3)
  - Required Support Course:
  - Completed at least 1 of the following:
    - ART425 - Arts of Africa and Asia (3)
    - HIS340 - Modern East Asia (3)
    - HIS475 - Modern Japan (3)
    - POL454 - Government and Politics of Asia (3)
  - Completed at least 21 credits from the following types of courses: Required Minor

Grand Total Credits: **58**

Minimum Credential Hours

120

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

T. Romero-Gonzalez

Global Language/Japanese Translation & Interpretation Track (BA: Bachelor of Arts)

Program Name

Global Language/Japanese Translation & Interpretation Track

Degree

BA: Bachelor of Arts

CIP Code

169999

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Major

Graduation Requirements

Note: Intermediate level modern language courses completed as part of the major or minor also satisfy modern language requirements for the B.A. All majors and minors, including those who score at or above the 301 level on the Placement Exam, will be required to take JPN 301 for the Japanese Track, Japanese Translation and Interpretation Track, and Japanese/Teaching Certification track. JPN 301 serves as a gateway course to the upper level culture and literature courses. A minimum grade of *C* is required.

Note: The department strongly recommends that majors study abroad for at least one summer.

Each student must submit a senior research project.

Credit for JPN 101 and 102 may not be used for the major but will be counted for graduation.

Program Requirements

- Complete all of the following
  - Choose courses ONLY in your targeted language track:
  - Completed the following:
    - GLT100T - Transitions (1)
  - Complete 1 of the following
    - Completed the following:
      - JPN201 - Intermediate Japanese I (3)
      - JPN202 - Intermediate Japanese II (3)
      - JPN301 - Japanese Conversation and Composition (3)
      - JPN302 - Japanese Conversation and Composition (3)
      - JPN331 - Advanced Language Practice (3)
      - JPN460 - Studies in a Genre (3)
    - Completed the following:
      - SPA201 - Intercultural Communications in Spanish (3)
      - SPA202 - Practical Applications in Spanish (3)
      - SPA301 - Conversation and Composition I (3)
      - SPA302 - Conversation and Composition II (3)
      - SPA331 - Advanced Language Practice (3)
      - SPA460 - Studies in a Genre (3)
  - Limited Electives:
  - Completed the following:
    - GLT400 - Senior Seminar (3)
    - JPN431 - Advanced Translation and Interpretation in Japanese (3)
  - Approved Electives in Japanese:
  - Completed the following:
    - JPN401 - Advanced Japanese I (3)
    - JPN402 - Advanced Japanese II (3)
  - Completed at least 1 of the following:
    - JPN306 - Introduction to Japanese Literature (3)
    - JPN315 - Global Cinema in Japanese (3)
    - JPN323 - Japanese Culture and Civilization (3)
    - JPN324 - Contemporary Japanese Culture and Civilization (3)
    - JPN350 - Modern Japanese Literature in Translation (3)
    - JPN421 - Topics in Japanese Literature (3)
    - JPN441 - Topics in Japanese Cultural Studies (3)
    - JPN460 - Studies in a Genre (3)
  - Required Support Course:
  - Completed at least 1 of the following:
    - ART425 - Arts of Africa and Asia (3)
    - HIS340 - Modern East Asia (3)
    - HIS475 - Modern Japan (3)
    - POL454 - Government and Politics of Asia (3)
  - Completed at least 21 credits from the following types of courses: Required Minor

Grand Total Credits: **58**

Minimum Credential Hours

120

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

T. Romero-Gonzalez

Global Language/Spanish Teaching Certification Track (BA: Bachelor of Arts)

Program Name

Global Language/Spanish Teaching Certification Track

Degree

BA: Bachelor of Arts

CIP Code

169999

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Area

Graduation Requirements

Note: Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, a public speaking course, and HUM 180 or equivalent course. Additional requirements for admission to teacher education and student teaching must be met.

Students should see their academic advisor or the Office of Teacher Education Services for details.

Note: Intermediate level modern language courses completed as part of the major or minor also satisfy modern language requirements for the B.A. All majors and minors, including those who score at or above the 301 level on the Placement Exam, will be required to take SPA 301 for the Spanish Track, Spanish Translation and Interpretation Track, and Spanish/Teaching Certification track. SPN 301 serves as a gateway course to the upper level culture and literature courses. A minimum grade of *C* is required. GLT 400 is required for the major; passing scores on the third year proficiency exams are required for entry into GLT 400.

Note: The department strongly recommends that majors study abroad for at least one summer.

Each student must submit a senior research project.

Credit for SPA 101 and 102 may not be used for the major but will be counted for graduation.

Program Requirements

- Complete all of the following
  - Choose courses ONLY in your targeted language track:
  - Completed the following:
    - GLT100T - Transitions (1)
  - Complete 1 of the following
    - Completed the following:
      - JPN201 - Intermediate Japanese I (3)
      - JPN202 - Intermediate Japanese II (3)

        - JPN301 - Japanese Conversation and Composition (3)
        - JPN302 - Japanese Conversation and Composition (3)
        - JPN331 - Advanced Language Practice (3)
        - JPN460 - Studies in a Genre (3)
    - Completed the following:
        - SPA201 - Intercultural Communications in Spanish (3)
        - SPA202 - Practical Applications in Spanish (3)
        - SPA301 - Conversation and Composition I (3)
        - SPA302 - Conversation and Composition II (3)
        - SPA331 - Advanced Language Practice (3)
        - SPA460 - Studies in a Genre (3)
- Limited Electives:
- Completed the following:
    - GLT400 - Senior Seminar (3)
- Completed at least 1 of the following:
    - SPA401 - Survey of Spanish Literature (3)
    - SPA402 - Survey of Golden Age Literature (3)
    - SPA403 - Survey of Spanish-American Literature (3)
    - SPA404 - Don Quixote (3)
    - SPA411 - Spanish-American Short Story (3)
    - SPA419 - European Cinema (3)
    - SPA421 - Topics in Spanish Literature (3)
    - SPA422 - Topics in Spanish American Literature (3)
    - SPA441 - Topics in Spanish Cultural Studies (3)
    - SPA450 - Literary Masterpieces in Spanish (3)
    - SPA460 - Studies in a Genre (3)
    - SPA505 - Nineteenth-Century Spanish Literature (3)
    - SPA507 - Twentieth-Century Spanish Literature (3)
    - SPA512 - Spanish-American Novel (3)
    - SPA521 - Topics in Spanish Literature (3)
    - SPA522 - Topics in Spanish-American Literature (3)
- Approved Electives in Spanish:
- Earned at least 9 credits from the following:
    - SPA306 - Introduction to Literature in Spanish (3)
    - SPA315 - Global Cinema in Spanish (3)
    - SPA323 - Spanish Culture and Civilization (3)
    - SPA325 - Spanish-American Culture (3)
    - SPA330 - Spanish Literary Texts in Context (3)
    - SPA332 - Phonetics (3)
    - SPA401 - Survey of Spanish Literature (3)
    - SPA402 - Survey of Golden Age Literature (3)
    - SPA403 - Survey of Spanish-American Literature (3)
    - SPA404 - Don Quixote (3)
    - SPA411 - Spanish-American Short Story (3)
    - SPA419 - European Cinema (3)
    - SPA421 - Topics in Spanish Literature (3)
    - SPA422 - Topics in Spanish American Literature (3)
    - SPA441 - Topics in Spanish Cultural Studies (3)
    - SPA450 - Literary Masterpieces in Spanish (3)
    - SPA460 - Studies in a Genre (3)
    - SPA505 - Nineteenth-Century Spanish Literature (3)
    - SPA507 - Twentieth-Century Spanish Literature (3)
    - SPA512 - Spanish-American Novel (3)
    - SPA521 - Topics in Spanish Literature (3)
    - SPA522 - Topics in Spanish-American Literature (3)
- Required Support Course:
- Completed at least 3 credits from the following types of courses: Selected from the approved list obtained from the department
- Required for Teaching Certificate:
- Earned a minimum grade of B in each of the following:
    - HUM180 - Explore Teaching in the Humanities (3)
    - EDU280 - Educating for Human Development (3)

        - HUM380 - Inclusive Teaching of Diverse Learners in Humanities (3)
        - EDU485 - Professional Perspectives for Teaching (1)
    - Completed the following:
        - GLT514 - Methods of Teaching Foreign Languages (3)
        - SEC420 - Practicum in Secondary Schools (3)
        - SEC421 - Student Teaching in the Secondary School (7 - 14)
        - SEC422 - Extended Practicum (4)

Grand Total Credits: **64 - 71**

Minimum Credential Hours

120

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

T. Romero-Gonzalez

Global Language/Spanish Track (BA: Bachelor of Arts)

Program Name

Global Language/Spanish Track

Degree

BA: Bachelor of Arts

CIP Code

169999

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Major

Graduation Requirements

Note: Intermediate level modern language courses completed as part of the major or minor also satisfy modern language requirements for the B.A. All majors and minors, including those who score at or above the 301 level on the Placement Exam, will be required to take SPA 301 for the Spanish Track, Spanish Translation and Interpretation Track, and Spanish/Teaching Certification track. SPA 301 serves as a gateway course to the upper level culture and literature courses. A minimum grade of *C* is required. GLT 400 is required for the major; passing scores on the third year proficiency exams are required for entry into GLT 400.

Note: The department strongly recommends that majors study abroad for at least one summer.

Each student must submit a senior research project.

Credit for SPA 101 and 102 may not be used for the major but will be counted for graduation.

Program Requirements

- Complete all of the following
  - Choose courses ONLY in your targeted language track:
  - Completed the following:
    - GLT100T - Transitions (1)
  - Complete 1 of the following
    - Completed the following:
      - JPN201 - Intermediate Japanese I (3)
      - JPN202 - Intermediate Japanese II (3)
      - JPN301 - Japanese Conversation and Composition (3)
      - JPN302 - Japanese Conversation and Composition (3)
      - JPN331 - Advanced Language Practice (3)
      - JPN460 - Studies in a Genre (3)
    - Completed the following:
      - SPA201 - Intercultural Communications in Spanish (3)
      - SPA202 - Practical Applications in Spanish (3)
      - SPA301 - Conversation and Composition I (3)
      - SPA302 - Conversation and Composition II (3)
      - SPA331 - Advanced Language Practice (3)
      - SPA460 - Studies in a Genre (3)
  - Limited Electives:
  - Completed the following:
    - GLT400 - Senior Seminar (3)
  - Completed at least 1 of the following:
    - SPA401 - Survey of Spanish Literature (3)
    - SPA402 - Survey of Golden Age Literature (3)
    - SPA403 - Survey of Spanish-American Literature (3)
    - SPA404 - Don Quixote (3)
    - SPA411 - Spanish-American Short Story (3)
    - SPA419 - European Cinema (3)
    - SPA421 - Topics in Spanish Literature (3)
    - SPA422 - Topics in Spanish American Literature (3)
    - SPA441 - Topics in Spanish Cultural Studies (3)
    - SPA450 - Literary Masterpieces in Spanish (3)
    - SPA460 - Studies in a Genre (3)
    - SPA505 - Nineteenth-Century Spanish Literature (3)
    - SPA507 - Twentieth-Century Spanish Literature (3)
    - SPA512 - Spanish-American Novel (3)
    - SPA521 - Topics in Spanish Literature (3)
    - SPA522 - Topics in Spanish-American Literature (3)
  - Approved Electives in Spanish:

- Completed at least 9 of the following:
  - SPA306 - Introduction to Literature in Spanish (3)
  - SPA315 - Global Cinema in Spanish (3)
  - SPA323 - Spanish Culture and Civilization (3)
  - SPA325 - Spanish-American Culture (3)
  - SPA330 - Spanish Literary Texts in Context (3)
  - SPA332 - Phonetics (3)
  - SPA401 - Survey of Spanish Literature (3)
  - SPA402 - Survey of Golden Age Literature (3)
  - SPA403 - Survey of Spanish-American Literature (3)
  - SPA404 - Don Quixote (3)
  - SPA411 - Spanish-American Short Story (3)
  - SPA419 - European Cinema (3)
  - SPA421 - Topics in Spanish Literature (3)
  - SPA422 - Topics in Spanish American Literature (3)
  - SPA441 - Topics in Spanish Cultural Studies (3)
  - SPA450 - Literary Masterpieces in Spanish (3)
  - SPA460 - Studies in a Genre (3)
  - SPA505 - Nineteenth-Century Spanish Literature (3)
  - SPA507 - Twentieth-Century Spanish Literature (3)
  - SPA512 - Spanish-American Novel (3)
  - SPA521 - Topics in Spanish Literature (3)
  - SPA522 - Topics in Spanish-American Literature (3)
- Required Support Course:
- Completed at least 3 credits from the following types of courses:
  Selected from the approved list obtained from the department
- Completed at least 21 credits from the following types of courses:
  Required Minor

Grand Total Credits: **76**

Minimum Credential Hours

120

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

T. Romero-Gonzalez

Global Language/Spanish Translation & Interpretation Track (BA: Bachelor of Arts)

Program Name

Global Language/Spanish Translation & Interpretation Track

Degree

BA: Bachelor of Arts

CIP Code

169999

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Major

Graduation Requirements

Note: Intermediate level modern language courses completed as part of the major or minor also satisfy modern language requirements for the B.A. All majors and minors, including those who score at or above the 301 level on the Placement Exam, will be required to take SPA 301 for the Spanish Track, Spanish Translation and Interpretation Track, and Spanish/Teaching Certification track. SPA 301 serves as a gateway course to the upper level culture and literature courses. A minimum grade of *C* is required.

Note: The department strongly recommends that majors study abroad for at least one summer.

Each student must submit a senior research project.

Credit for SPA 101 and 102 may not be used for the major but will be counted for graduation.

Program Requirements

- Complete all of the following
  - Choose courses ONLY in your targeted language track:
  - Completed the following:
    - GLT100T - Transitions (1)
  - Complete 1 of the following
    - Completed the following:
      - JPN201 - Intermediate Japanese I (3)
      - JPN202 - Intermediate Japanese II (3)
      - JPN301 - Japanese Conversation and Composition (3)
      - JPN302 - Japanese Conversation and Composition (3)
      - JPN331 - Advanced Language Practice (3)
      - JPN460 - Studies in a Genre (3)
    - Completed the following:
      - SPA201 - Intercultural Communications in Spanish (3)
      - SPA202 - Practical Applications in Spanish (3)
      - SPA301 - Conversation and Composition I (3)
      - SPA302 - Conversation and Composition II (3)
      - SPA331 - Advanced Language Practice (3)
      - SPA460 - Studies in a Genre (3)
  - Limited Electives:
  - Completed the following:
    - GLT401 - Principles of Translation and Interpretation (3)
    - SPA431 - Advanced Translation and Interpretation in Spanish (3)
  - Approved Electives in Spanish:
  - Completed at least 9 of the following:
    - SPA306 - Introduction to Literature in Spanish (3)
    - SPA315 - Global Cinema in Spanish (3)
    - SPA323 - Spanish Culture and Civilization (3)
    - SPA325 - Spanish-American Culture (3)
    - SPA330 - Spanish Literary Texts in Context (3)
    - SPA332 - Phonetics (3)
    - SPA401 - Survey of Spanish Literature (3)
    - SPA402 - Survey of Golden Age Literature (3)
    - SPA403 - Survey of Spanish-American Literature (3)
    - SPA404 - Don Quixote (3)
    - SPA411 - Spanish-American Short Story (3)
    - SPA419 - European Cinema (3)
    - SPA421 - Topics in Spanish Literature (3)
    - SPA422 - Topics in Spanish American Literature (3)
    - SPA441 - Topics in Spanish Cultural Studies (3)
    - SPA450 - Literary Masterpieces in Spanish (3)
    - SPA460 - Studies in a Genre (3)
    - SPA505 - Nineteenth-Century Spanish Literature (3)
    - SPA507 - Twentieth-Century Spanish Literature (3)
    - SPA512 - Spanish-American Novel (3)
    - SPA521 - Topics in Spanish Literature (3)
    - SPA522 - Topics in Spanish-American Literature (3)
  - Required Support Course:
  - Completed at least 3 credits from the following types of courses:
    Selected from the approved list obtained from the department
  - Completed at least 21 credits from the following types of courses:
    Required Minor

Grand Total Credits: **76**

Minimum Credential Hours

120

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

T. Romero-Gonzalez

Graphic Design (Minor)

Program Name

Graphic Design

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Art and Design

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Accreditations

National Association of Schools of Art and Design (NASAD)

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed at least 1 of the following:
    - ART101 - Drawing I: Introduction to Drawing (3)
    - ART111 - Studio Practice (3)
    - ART113 - Digital Foundations in Art (3)
  - Completed the following:
    - ART350 - Introduction to Graphic Design I: Digital Art (3)
    - ART351 - Graph Design II: Type And Image (3)
    - ART352 - Graph Design III:Layout and Introduction to Design Systems (3)
  - Completed at least 3 of the following:
    - ART300 - Drawing III (3)
    - ART353 - Web Design (3)
    - ART354 - Illustration (3)
    - ART355 - User Interface Design (3)
    - ART357 - Motion Graphics (3)
    - ART358 - History of Modern Design (3)
    - ART362 - Digital Sculpt: 3D Modeling and Printing (3)
    - ART382 - Introduction to Photography (3)
    - ART385 - Moving Image: Screen (3)
    - ART397 - Introduction to Bookbinding and Artist Books (3)
    - ART451 - Graphic Design IV: System Design (3)
    - ART452 - Graphic Design V: Senior Portfolio (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Art and Design 604 Price Doyle Fine Arts Center (270) 809-3784

Default Advisor

J. Bryant

History (Minor)

Program Name

History

Degree

Minor

Program Level

Undergraduate

Department

History

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed at least 3 of the following:
    - HIS201 - Making of Europe, 1500 to the Present (3)
    - HIS202 - Understanding Global History (3)
    - HIS221 - American Experience to 1865 (3)
    - HIS222 - American Experience Since 1865 (3)
  - Completed at least 12 credits from the following types of courses: Upper-level electives (excluding HIS 361), at least one at the 400-level

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of History 6B Faculty Hall (270) 809-2231

Default Advisor

Dept Chair

History (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

History

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

540101

Program Level

Undergraduate

Department

History

College

College of Humanities and Fine Arts

Undergraduate Program Type

Major

Graduation Requirements

HIS 100T is required of all students seeking a degree in history.

Specifically Required University Studies

- Completed the following:
  - CIV201 - World Civilizations I (3)
  - CIV202 - World Civilizations II (3)

Grand Total Credits: **6**

Program Requirements

- Complete all of the following
  - Completed the following:
    - HIS100T - Transitions (1)
  - Completed at least 3 of the following:
    - HIS201 - Making of Europe, 1500 to the Present (3)
    - HIS202 - Understanding Global History (3)
    - HIS221 - American Experience to 1865 (3)
    - HIS222 - American Experience Since 1865 (3)
  - Earned a minimum grade of C in each of the following:
    - HIS300 - Introduction to Historical Studies (3)
    - HIS400 - Professional Engagement Senior Seminar (3)
  - Required Limited Electives:
  - Complete all of the following
    - Completed at least 6 credits from the following types of courses: Upper-level courses (not including HIS 361) from the following lists:
    - Global History Electives:
    - Earned at least 6 credits from the following:
      - HIS305 - Irish Diaspora (3)
      - HIS309 - Survey of World Religions (3)
      - HIS316 - Women and Gender in World History (3)
      - HIS324 - Science in the Modern World (3)
      - HIS325 - Disease in History (3)
      - HIS340 - Modern East Asia (3)
      - HIS350 - History of Latin America (3)
      - HIS351 - Global History of Childhood (3)
      - HIS352 - 20th Century World (3)
      - HIS354 - Ancient Near East (3)
      - HIS355 - A Global History of Islam to 1800 (3)
      - HIS356 - Modern Middle East (3)
      - HIS359 - Early India (3)
      - HIS360 - Modern India (3)
      - HIS362 - Ancient Egypt (3)
      - HIS370 - History of Africa (3)
      - HIS381 - Environmental History of the Americas (3)
      - HIS382 - Ecological History (3)
      - HIS385 - The Atlantic World (3)

    - HIS407 - Modern Imperialism and Colonialism (3)
    - HIS410 - Modern Britain and Empire (3)
    - HIS449 - Islam in the Modern and Post-Modern World (3)
    - HIS450 - Modern Africa (3)
    - HIS451 - Africa, Slavery and the Diaspora (3)
    - HIS456 - The Arab-Israeli Conflict (3)
    - HIS459 - Genocide in World History (3)
    - HIS472 - Modern China (3)
    - HIS474 - China in Revolution (3)
    - HIS475 - Modern Japan (3)
    - HIS476 - The World Since 1945 (3)
    - HIS481 - Revolutionary Mexico 1810 to the Present (3)
- U.S. History Electives:
- Earned at least 3 credits from the following:
    - HIS315 - Women in American History (3)
    - HIS320 - African-American History (3)
    - HIS321 - United States Social and Cultural History Since 1865 (3)
    - HIS322 - History of Religion in the United States (3)
    - HIS323 - The Great American West (3)
    - HIS329 - The North American Indians (3)
    - HIS330 - Sports in America (3)
    - HIS332 - Colonial America to 1763 (3)
    - HIS333 - Military History of the United States (3)
    - HIS334 - Food and Agriculture in the United States (3)
    - HIS335 - America in Revolution (3)
    - HIS341 - Civil War and Reconstruction (3)
    - HIS346 - History of Kentucky (3)
    - HIS421 - United States Social and Cultural History to 1865 (3)
    - HIS424 - United States Foreign Relations Since 1898 (3)
    - HIS433 - Jacksonian America and Sectional Conflict (3)
    - HIS435 - Transformation of America 1877-1929 (3)
    - HIS436 - Recent America (3)
    - HIS441 - History of the Old South (3)
    - HIS442 - History of the New South (3)
    - HIS491 - Domestic Travel History (1 - 3)
- European History Electives:
- Earned at least 3 credits from the following:
    - HIS301 - Ancient History to the Fall of Rome (3)
    - HIS302 - Medieval Europe (3)
    - HIS304 - The History of Ireland (3)
    - HIS306 - Europe in Renaissance and Reformation (3)
    - HIS307 - Imperial Russia (3)
    - HIS308 - Modern Russia (3)
    - HIS311 - Modern France (3)
    - HIS312 - Modern Germany (3)
    - HIS313 - Tudor and Stuart England (3)
    - HIS317 - Modern Greece and Italy (3)
    - HIS319 - Europe Since 1945 (3)
    - HIS363 - Ancient Greece (3)
    - HIS364 - Ancient Rome (3)
    - HIS375 - Crime and Punishment in Europe and the U.S. (3)
    - HIS401 - The French Revolution (3)
    - HIS402 - Nineteenth-Century Europe (3)
    - HIS403 - Europe Since 1914 (3)
    - HIS413 - Revolutionary Russia (3)
    - HIS414 - Europe During World War I and World War II (3)
    - HIS419 - The Third Reich (3)
    - HIS461 - Early Christianity (3)
    - HIS463 - History of Greek Theatre (3)
    - HIS464 - Caesar Augustus and the Roman Empire (3)
    - HIS465 - The Ancient Celts and the Classical World (3)
- Depending on topic, the following courses will be acceptable under an above group with advisor approval:

        - Earned at least 0 credits from the following:
            - HIS310 - History at the Movies (3)
            - HIS390 - Special Topics (3)
            - HIS415 - Women in History (3)
            - HIS479 - Comparative History Topics (3)
            - HIS490 - History Study Abroad (1 - 3)
            - HIS499 - Directed Studies (3)
    - Completed at least 21 credits from the following types of courses:
      Required Minor

Grand Total Credits: **55**

Minimum Credential Hours

120

Program Contact Information

Department of History 6B Faculty Hall (270) 809-2231

Default Advisor

A. Irvin

History (BA/BS: Bachelor of Arts or Bachelor of Science) - History/Law (3+3 Program with University of Louisville)

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

History (BA/BS: Bachelor of Arts or Bachelor of Science) - History/Law (3+3 Program with University of Louisville)

Degree

BA: Bachelor of Arts

CIP Code

540101

Specialization Level

Undergraduate

Department

History

College

College of Humanities and Fine Arts

Specialization Type

Area

Description

The 3+3 History/Law Area is designed to allow students to complete a BA in History/Law at Murray State University and a law degree at the University of Louisville's Louis D. Brandeis School of Law in a total of six years instead of seven. Students complete three years of coursework in history and law-related fields at Murray State University and then transfer to the Brandeis School of Law for their fourth through sixth years. Course hours completed at the University of Louisville in the first year are transferred to Murray State University, allow the student to earn their BA degree at MSU. Students will need to apply for graduation at MSU. Students wanting to complete the Area in History/Law (3+3 Program) can enter the program at any time after enrollment at Murray State University To qualify, students must: ● have a 3.0 cumulative GPA, ● have a 3.25 cumulative GPA in History courses, ● submit a reflective statement on their interest in and viability for completing the program to the department chair, and ● submit recommendations from at least two faculty members (from the department at MSU if possible) to the department chair.

Graduation Requirements

HIS 100T is required of all students seeking a degree in history.

The minimum credential hours include 21 hours transferred to Murray State University from the University of Louisville's Brandeis School of Law.

Specifically Required University Studies

- Completed the following:
  - CIV201 - World Civilizations I (3)
  - CIV202 - World Civilizations II (3)

Grand Total Credits: **6**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - HIS100T - Transitions (1)
  - Completed at least 3 of the following:
    - HIS201 - Making of Europe, 1500 to the Present (3)
    - HIS202 - Understanding Global History (3)
    - HIS221 - American Experience to 1865 (3)
    - HIS222 - American Experience Since 1865 (3)
  - Earned a minimum grade of C in each of the following:
    - HIS300 - Introduction to Historical Studies (3)
  - Required Limited Electives: upper-level courses (excluding HIS 176); at least two must be at the 400-level, to include the following:
  - Completed the following:
    - HIS176 - History of the United States Constitution (3)
    - HIS375 - Crime and Punishment in Europe and the U.S. (3)
  - Complete all of the following
    - Global History Electives:
    - Earned at least 6 credits from the following:
      - HIS305 - Irish Diaspora (3)
      - HIS309 - Survey of World Religions (3)
      - HIS316 - Women and Gender in World History (3)
      - HIS324 - Science in the Modern World (3)
      - HIS325 - Disease in History (3)
      - HIS340 - Modern East Asia (3)
      - HIS350 - History of Latin America (3)
      - HIS351 - Global History of Childhood (3)
      - HIS352 - 20th Century World (3)
      - HIS354 - Ancient Near East (3)
      - HIS355 - A Global History of Islam to 1800 (3)
      - HIS356 - Modern Middle East (3)
      - HIS359 - Early India (3)

    - HIS360 - Modern India (3)
    - HIS362 - Ancient Egypt (3)
    - HIS370 - History of Africa (3)
    - HIS381 - Environmental History of the Americas (3)
    - HIS382 - Ecological History (3)
    - HIS385 - The Atlantic World (3)
    - HIS407 - Modern Imperialism and Colonialism (3)
    - HIS410 - Modern Britain and Empire (3)
    - HIS449 - Islam in the Modern and Post-Modern World (3)
    - HIS450 - Modern Africa (3)
    - HIS451 - Africa, Slavery and the Diaspora (3)
    - HIS456 - The Arab-Israeli Conflict (3)
    - HIS459 - Genocide in World History (3)
    - HIS472 - Modern China (3)
    - HIS474 - China in Revolution (3)
    - HIS475 - Modern Japan (3)
    - HIS476 - The World Since 1945 (3)
    - HIS481 - Revolutionary Mexico 1810 to the Present (3)
- U.S. History Electives:
- Earned at least 6 credits from the following:
    - HIS315 - Women in American History (3)
    - HIS320 - African-American History (3)
    - HIS321 - United States Social and Cultural History Since 1865 (3)
    - HIS322 - History of Religion in the United States (3)
    - HIS323 - The Great American West (3)
    - HIS329 - The North American Indians (3)
    - HIS330 - Sports in America (3)
    - HIS332 - Colonial America to 1763 (3)
    - HIS333 - Military History of the United States (3)
    - HIS334 - Food and Agriculture in the United States (3)
    - HIS335 - America in Revolution (3)
    - HIS341 - Civil War and Reconstruction (3)
    - HIS346 - History of Kentucky (3)
    - HIS421 - United States Social and Cultural History to 1865 (3)
    - HIS424 - United States Foreign Relations Since 1898 (3)
    - HIS433 - Jacksonian America and Sectional Conflict (3)
    - HIS435 - Transformation of America 1877-1929 (3)
    - HIS436 - Recent America (3)
    - HIS441 - History of the Old South (3)
    - HIS442 - History of the New South (3)
    - HIS491 - Domestic Travel History (1 - 3)
- European History Electives:
- Earned at least 6 credits from the following:
    - HIS301 - Ancient History to the Fall of Rome (3)
    - HIS302 - Medieval Europe (3)
    - HIS304 - The History of Ireland (3)
    - HIS306 - Europe in Renaissance and Reformation (3)
    - HIS307 - Imperial Russia (3)
    - HIS308 - Modern Russia (3)
    - HIS311 - Modern France (3)
    - HIS312 - Modern Germany (3)
    - HIS313 - Tudor and Stuart England (3)
    - HIS317 - Modern Greece and Italy (3)
    - HIS319 - Europe Since 1945 (3)
    - HIS363 - Ancient Greece (3)
    - HIS364 - Ancient Rome (3)
    - HIS375 - Crime and Punishment in Europe and the U.S. (3)
    - HIS401 - The French Revolution (3)
    - HIS402 - Nineteenth-Century Europe (3)
    - HIS403 - Europe Since 1914 (3)
    - HIS413 - Revolutionary Russia (3)
    - HIS414 - Europe During World War I and World War II (3)
    - HIS419 - The Third Reich (3)
    - HIS461 - Early Christianity (3)

        - HIS463 - History of Greek Theatre (3)
        - HIS464 - Caesar Augustus and the Roman Empire (3)
        - HIS465 - The Ancient Celts and the Classical World (3)
    - Completed at least 6 credits from the following types of courses:
      Elective hours of choice from the groups above. Depending on topic, these courses will be acceptable under an above group with advisor approval: HIS 310, 390, 415, 479, 490, 499.
  - Required Legal Studies Courses:
  - Only one course from POL 250 and POL 252 may count toward the required courses.
  - Earned at least 9 credits from the following:
    - CRJ140 - Introduction to Criminal Justice (3)
    - PHI202 - Ethics (3)
    - POL140 - American National Government (3)
    - POL240 - State and Local Politics (3)
    - POL250 - Introduction International Relations (3)
    - POL252 - Introduction to Comparative Politics (3)
    - SOC133 - Introduction to Sociology (3)
  - Completed at least 21 credits from the following types of courses:
    Law School Courses (at the University of Louisville)

Grand Total Credits: **73**

Minimum Credential Hours

120

Specialization Contact Information

Department of History 6B Faculty Hall (270) 809-2231

Default Advisor

D. Pizzo

History (BA/BS: Bachelor of Arts or Bachelor of Science) - History/Social Studies Certification (Grades 8-12)

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

History (BA/BS: Bachelor of Arts or Bachelor of Science) - History/Social Studies Certification (Grades 8-12)

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

540101

Specialization Level

Undergraduate

Department

History

College

College of Humanities and Fine Arts

Specialization Type

Area

Graduation Requirements

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, and a public speaking course. Additional requirements for admission to teacher education and student teaching must be met.

Students should see their academic advisor or the Office of Teacher Education Services for details.

HIS 100T is required of all students seeking a degree in history.

SEC 422 must be taken the semester before student teaching.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - HIS100T - Transitions (1)
  - Completed at least 3 of the following:
    - HIS201 - Making of Europe, 1500 to the Present (3)
    - HIS202 - Understanding Global History (3)
    - HIS221 - American Experience to 1865 (3)
    - HIS222 - American Experience Since 1865 (3)
  - Earned a minimum grade of C in each of the following:
    - HIS300 - Introduction to Historical Studies (3)
  - Required Social Science Courses:
  - Completed the following:
    - ECO231 - Microeconomics (3)
    - EES110 - World Geography (3)
    - POL140 - American National Government (3)
    - SOC133 - Introduction to Sociology (3)
  - Required Limited Electives: upper-level courses (not including HIS 361), at least two must be at the 400-level, to include the following:
  - Complete all of the following
    - Global History Electives:
    - Earned at least 6 credits from the following:
      - HIS305 - Irish Diaspora (3)
      - HIS309 - Survey of World Religions (3)
      - HIS316 - Women and Gender in World History (3)
      - HIS324 - Science in the Modern World (3)
      - HIS325 - Disease in History (3)
      - HIS340 - Modern East Asia (3)
      - HIS350 - History of Latin America (3)
      - HIS351 - Global History of Childhood (3)
      - HIS352 - 20th Century World (3)
      - HIS354 - Ancient Near East (3)
      - HIS355 - A Global History of Islam to 1800 (3)
      - HIS356 - Modern Middle East (3)
      - HIS359 - Early India (3)
      - HIS360 - Modern India (3)
      - HIS362 - Ancient Egypt (3)
      - HIS370 - History of Africa (3)
      - HIS381 - Environmental History of the Americas (3)
      - HIS382 - Ecological History (3)
      - HIS385 - The Atlantic World (3)
      - HIS407 - Modern Imperialism and Colonialism (3)

    - HIS410 - Modern Britain and Empire (3)
    - HIS449 - Islam in the Modern and Post-Modern World (3)
    - HIS450 - Modern Africa (3)
    - HIS451 - Africa, Slavery and the Diaspora (3)
    - HIS456 - The Arab-Israeli Conflict (3)
    - HIS459 - Genocide in World History (3)
    - HIS472 - Modern China (3)
    - HIS474 - China in Revolution (3)
    - HIS475 - Modern Japan (3)
    - HIS476 - The World Since 1945 (3)
    - HIS481 - Revolutionary Mexico 1810 to the Present (3)
- U.S. History Electives:
- Earned at least 3 credits from the following:
    - HIS315 - Women in American History (3)
    - HIS320 - African-American History (3)
    - HIS321 - United States Social and Cultural History Since 1865 (3)
    - HIS322 - History of Religion in the United States (3)
    - HIS323 - The Great American West (3)
    - HIS329 - The North American Indians (3)
    - HIS330 - Sports in America (3)
    - HIS332 - Colonial America to 1763 (3)
    - HIS333 - Military History of the United States (3)
    - HIS334 - Food and Agriculture in the United States (3)
    - HIS335 - America in Revolution (3)
    - HIS341 - Civil War and Reconstruction (3)
    - HIS346 - History of Kentucky (3)
    - HIS421 - United States Social and Cultural History to 1865 (3)
    - HIS424 - United States Foreign Relations Since 1898 (3)
    - HIS433 - Jacksonian America and Sectional Conflict (3)
    - HIS435 - Transformation of America 1877-1929 (3)
    - HIS436 - Recent America (3)
    - HIS441 - History of the Old South (3)
    - HIS442 - History of the New South (3)
    - HIS491 - Domestic Travel History (1 - 3)
- European History Electives:
- Earned at least 3 credits from the following:
    - HIS301 - Ancient History to the Fall of Rome (3)
    - HIS302 - Medieval Europe (3)
    - HIS304 - The History of Ireland (3)
    - HIS306 - Europe in Renaissance and Reformation (3)
    - HIS307 - Imperial Russia (3)
    - HIS308 - Modern Russia (3)
    - HIS311 - Modern France (3)
    - HIS312 - Modern Germany (3)
    - HIS313 - Tudor and Stuart England (3)
    - HIS317 - Modern Greece and Italy (3)
    - HIS319 - Europe Since 1945 (3)
    - HIS363 - Ancient Greece (3)
    - HIS364 - Ancient Rome (3)
    - HIS375 - Crime and Punishment in Europe and the U.S. (3)
    - HIS401 - The French Revolution (3)
    - HIS402 - Nineteenth-Century Europe (3)
    - HIS403 - Europe Since 1914 (3)
    - HIS413 - Revolutionary Russia (3)
    - HIS414 - Europe During World War I and World War II (3)
    - HIS419 - The Third Reich (3)
    - HIS461 - Early Christianity (3)
    - HIS463 - History of Greek Theatre (3)
    - HIS464 - Caesar Augustus and the Roman Empire (3)
    - HIS465 - The Ancient Celts and the Classical World (3)
- Completed at least 6 credits from the following types of courses:
  Elective hours of choice from the groups above. Depending on topic, these courses will be acceptable under an above group with advisor approval: HIS 310, 390, 415, 479, 490, 499.

- Required for Secondary Certification:
- Completed the following:
  - EDU280 - Educating for Human Development (3)
  - EDU485 - Professional Perspectives for Teaching (1)
  - HIS361 - Teaching History (3)
  - HUM380 - Inclusive Teaching of Diverse Learners in Humanities (3)
  - SEC420 - Practicum in Secondary Schools (3)
  - SEC421 - Student Teaching in the Secondary School (7 - 14)
  - SEC422 - Extended Practicum (4)
- Earned a minimum grade of B in each of the following:
  - HUM180 - Explore Teaching in the Humanities (3)

Grand Total Credits: **70 - 77**

Minimum Credential Hours

120

Specialization Contact Information

Department of History 6B Faculty Hall (270) 809-2231

Default Advisor

A. Irvin

History (MA: Master of Arts)

Program Name

History

Degree

MA: Master of Arts

CIP Code

540101

Program Level

Graduate

Department

History

College

College of Humanities and Fine Arts

Graduate Program Type

Graduate Degree

Description

The Master of Arts program in history offers advanced study to qualified students in American, European, and global history. The course of study emphasizes the development of a coherent view of the past, the effective communication of ideas, and familiarity with a variety of historical schools of interpretation.

The department has three offerings leading to the Master of Arts degree. The thesis track concentration is a general program of advanced study that requires a thesis; the two non-thesis tracks replace the thesis with additional training in the major/minor areas.

The department's principal graduate course offerings are in American and modern European history, complemented by course offerings in global history.

The history department awards a limited number of assistantships each academic year. Applications for assistantships should be made directly to the history graduate coordinator. Applications are due by April 1 for the forthcoming academic year.

Admission applications for the upcoming fall term should be received by June 1 of the same calendar year, and mid academic year admissions should be received by October 15 for the following calendar year. The Department of History does not review any graduate applications until all materials–the graduate application, Graduate Record Examination (GRE) scores, letters of recommendation, writing sample, and official transcript–have been received by the graduate coordinator. The department reserves the right to review transfer credit viability.

The graduate application and GRE scores should be sent to Graduate Admissions and Records, Murray State University, Sparks Hall, Murray, KY 42071. All other materials should be sent to Graduate Coordinator, Department of History, Murray State University, 6B Faculty Hall, Murray, KY 42071-3341.

Requirements for Admission
Applicants must meet the Murray State University requirements (see *Graduate Admissions*). For non-native speakers of English, a TOEFL score of 22 for each section of the iBT, or an IELTS score of 7.0 with no band lower than 6.5, or a previous degree earned from an accredited U.S. institution subject to departmental standards.

Additional requirements are as follows.
Unconditional
• An undergraduate major or minor in history or a related field such as art history, archaeology, anthropology, sociology, or political science.
• GPA of 3.0 or better in history courses.
• 3-5 page (minimum) sample of historical writing.
• Two letters of recommendation that address the candidate's ability to do graduate work in history.
• For non-native speakers of English, a TOEFL score of 22 for each section of the iBT, or an IELTS score of 7.0 with no band lower than 6.5 or a previous degree earned from an accredited U.S. institution subject to departmental approval.

Conditional
Students will have their skills in reading and writing assessed by the departmental graduate coordinator prior to enrollment in graduate courses.

Graduation Requirements

Students admitted to history graduate study should consult with the department graduate coordinator to declare a course of study which meets the requirements of the thesis and non-thesis concentrations

Program Requirements

- Complete 1 of the following
  - Complete all of the following
    - Global History Track:
    - Completed the following:
      - HIS600 - Development of Historical Thinking (3)
      - HIS663 - Readings in Global History (3)
      - HIS697 - Graduate Professional Engagement Seminar (3)
    - Completed at least 3 credits from the following types of courses: Reading Course (in any area)
    - Completed at least 3 credits from the following types of courses: Seminar (in any area)
    - Earned at least 15 credits from HIS 600 - 699
  - Complete all of the following
    - United States History Track:
    - Completed the following:
      - HIS600 - Development of Historical Thinking (3)
      - HIS622 - Readings in United States History (3)
      - HIS697 - Graduate Professional Engagement Seminar (3)
    - Completed at least 1 of the following:
      - HIS631 - Seminar in United States History to 1865 (3)
      - HIS633 - Seminar in the United States History Since 1865 (3)
    - Completed at least 3 credits from the following types of courses: Reading Course (in any non-US area)
    - Earned at least 15 credits from HIS 600 - 699

Grand Total Credits: **30**

Minimum Credential Hours

30

Program Contact Information

Graduate Coordinator: David Pizzo 6B Faculty Hall (270) 809-2231

Default Advisor

D. Pizzo

Holistic Senior Living (Minor)

Program Name

Holistic Senior Living

Degree

Minor

Program Level

Undergraduate

Department

College of Humanities and Fine Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Description

The Holistic Senior Living Minor will prepare students to lead senior care facility patients in creative activities and compose and apply for grants to support such work. The students will also explore the psychological and sociological aspects of aging. This minor would nicely complement majors in the humanities, social science, fine arts, public health, social work, gerontology, nursing, etc. Graduates would be prepared for jobs in senior care facilities, community centers, hospitals, health and wellness businesses, etc.

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ENG214 - Introduction to Creative Writing (3)
    - THD105 - Introduction to Acting (3)
  - Restricted Electives:
  - Completed at least 1 of the following:
    - ART101 - Drawing I: Introduction to Drawing (3)
    - ART105 - Studio Art For Non-Majors (3)
  - Completed at least 1 of the following:
    - ENG327 - Writing Proposals and Grants (3)
    - ENG353 - Writing for the Web (3)
  - Completed at least 1 of the following:
    - MUS106 - Music in Film (3)
    - MUS107 - Introduction to the American Musical Theatre (3)
  - Completed at least 1 of the following:
    - PSY264 - Psychology of Aging (3)
    - PSY310 - Health Psychology (3)
  - Completed at least 1 of the following:
    - SOC340 - Medical Sociology (3)
    - SOC347 - Sociology of Mental Health and Illnesses (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

College of Humanities and Fine Arts 100 Faculty Hall (270) 809-6937

Default Advisor

Dean's Office

Humanities (Minor)

Program Name

Humanities

Degree

Minor

Program Level

Undergraduate

Department

College of Humanities and Fine Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - HUM211 - The Humanities Tradition (3)
  - Earned at least 18 credits from CHN ENG, FRE, GDS, GER, HIS, HUM, JPN, RGS, PHI, or SPA

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

Dept Chair

International Service (CERT: Certificate)

Program Name

International Service

Degree

CERT: Certificate

CIP Code

440000

Program Level

Undergraduate

Department

College of Humanities and Fine Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Certificate

Description

The undergraduate International Service certificate is designed to provide students in all disciplines the educational and applied experience necessary to effectively provide service to international communities. The certificate program's objectives are to prepare students for international development fieldwork, careers in international service, and service within the Peace Corps.

Requirements for Admission
Admission into the MSU Peace Corps Prep program and good academic standing is required.

Program Requirements

- Complete all of the following
  - Choose 9 hours from one sector:
  - Completed at least 9 credits from the following types of courses:
    Agriculture Sector OR Community Economic Development Sector OR Youth in Development Sector OR Health Sector OR Education Sector OR Environment Sector
  - Intercultural Competence Core:
  - Completed at least 1 of the following:
    - COM340 - Intercultural Communication (3)
    - GLT220 - Introduction to International Service and Culture (3)
    - GDS201 - Introduction to Gender and Diversity Studies (3)
    - POL250 - Introduction International Relations (3)
  - Intercultural Competence Electives:
  - Earned at least 6 credits from the following:
    - ANT140 - Exploring World Cultures (3)
    - ANT311 - Anthropology of Complex Societies (3)
    - AGR353 - World Food, Agriculture and Society (3)
    - BUS396 - International Business Seminar (3)
    - CHN105 - Introduction to Chinese Culture (3)
    - CHN340 - Chinese Diversity Through Food (3)
    - ECO310 - Issues in the Global Economy (3)
    - EES110 - World Geography (3)
    - FRE105 - Introduction to French Culture (3)
    - GER105 - Introduction to German Culture (3)
    - GDS201 - Introduction to Gender and Diversity Studies (3)
    - HIS202 - Understanding Global History (3)
    - HIS309 - Survey of World Religions (3)
    - JPN105 - Introduction to Japanese Culture (3)
    - NLS370 - Philanthropy, NGOs and International Development (3)
    - NLS380 - The Nonprofit Sector in Comparative Perspective: Study Abroad Experience (3)
    - POL250 - Introduction International Relations (3)
    - POL453 - Government and Politics of Latin America (3)
    - POL454 - Government and Politics of Asia (3)
    - RGS309 - Survey of World Religions (3)
    - SOC250 - Global Sociology (3)
    - SPA105 - Introduction to Hispanic Culture (3)
    - SWK225 - Human Diversity (3)
  - Gain 20 Hours of Field Experience Within the Chosen Sector:
  - Completed the following:
    - GLT487 - Peace Corps Prep Field Experience (0)

Grand Total Credits: **18**

Minimum Credential Hours

12

Program Contact Information

College of Humanities and Fine Arts 100 Faculty Hall (270) 809-6937

Default Advisor

Dean's Office

International Studies (Minor)

Program Name

International Studies

Degree

Minor

Program Level

Undergraduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours from the cluster must be from upper-level courses at Murray State University.

Six hours of a foreign language at the 200 or higher level are required.

The foreign language requirement may be waived for students whose native language is not English.

Program Requirements

- Complete all of the following
  - Completed at least 1 of the following:
    - ECO310 - Issues in the Global Economy (3)
    - ECO410 - Economic Development (3)
  - Completed the following:
    - POL250 - Introduction International Relations (3)
    - POL252 - Introduction to Comparative Politics (3)
  - Completed at least 1 of the following:
    - POL456 - American Foreign Policy (3)
    - POL457 - International Law and Organizations (3)
  - Completed at least 9 credits from the following types of courses:
    Selected from one of the thematic clusters listed under the major in International Studies

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

Dept Chair

International Studies (BA: Bachelor of Arts)

Program Name

International Studies

Degree

BA: Bachelor of Arts

CIP Code

450901

Program Level

Undergraduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Undergraduate Program Type

Major

Description

Global awareness and cross-cultural skills are increasingly important in a variety of careers. Educational, social service, business, governmental and non-governmental organizations recognize that these skills are important for solving complex problems in a culturally diverse context. The major in international studies and the minor in international studies allow students in a variety of disciplines to acquire these skills in support of expertise in their chosen fields.

Graduation Requirements

Courses taken for the major will not count towards the minor.

International education experience or equivalent is required. English counts as a second language for international students whose native language is not English.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ECO310 - Issues in the Global Economy (3)
    - POL100T - Transitions (1)
    - POL250 - Introduction International Relations (3)
    - POL359 - Writing and Inquiry in the Social Sciences (3)
    - POL360 - Research Methods (3)
    - POL499 - Senior Seminar Political Science (3)
  - Completed at least 1 of the following:
    - HIS305 - Irish Diaspora (3)
    - HIS309 - Survey of World Religions (3)
    - HIS316 - Women and Gender in World History (3)
    - HIS352 - 20th Century World (3)
    - HIS407 - Modern Imperialism and Colonialism (3)
    - HIS415 - Women in History (3)
    - HIS451 - Africa, Slavery and the Diaspora (3)
    - HIS459 - Genocide in World History (3)
    - HIS476 - The World Since 1945 (3)
  - Completed at least 1 of the following:
    - POL456 - American Foreign Policy (3)
    - POL457 - International Law and Organizations (3)
  - Completed at least 1 of the following:
    - BUS396 - International Business Seminar (3)
    - BUS515 - Communicating in an International Business Environment (3)
    - MGT350 - Fundamentals of Management (3)
    - MKT360 - Principles of Marketing (3)
    - SOC250 - Global Sociology (3)
    - SOC455 - Environmental Sociology (3)
    - SOC465 - Globalization (3)
  - Thematic Cluster Courses:
  - Completed at least 15 credits from the following types of courses:
    Choose one theme and courses with approval of advisor. Required courses in the major or minor cannot be applied to a thematic cluster. Thematic cluster options include: International Development, Africa and Middle East, Asia, Europe, Latin America, Comparative Studies, and Human Rights.
  - Completed at least 21 credits from the following types of courses:
    Required Minor

Grand Total Credits: **61**

Minimum Credential Hours

120

Program Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

J. Seib

Japanese (Minor)

Program Name

Japanese

Degree

Minor

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses and six hours must be completed in residence at Murray State University.

The department strongly recommends that minors study abroad for at least one summer.

Program Requirements

- Complete all of the following
  - Completed the following:
    - JPN201 - Intermediate Japanese I (3)
    - JPN202 - Intermediate Japanese II (3)
  - Earned a minimum grade of C in each of the following:
    - JPN301 - Japanese Conversation and Composition (3)
    - JPN331 - Advanced Language Practice (3)
  - Completed at least 9 credits from the following types of courses:
    Advisor Approved Upper-Level Electives

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

Dept Chair

Japanese Language and Culture (CERT: Certificate)

Program Name

Japanese Language and Culture

Degree

CERT: Certificate

CIP Code

160302

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Certificate

Graduation Requirements

Note: The department strongly recommends that students study abroad.

Program Requirements

- Complete all of the following
  - Completed the following:
    - JPN101 - Elementary Japanese I (3)
    - JPN102 - Elementary Japanese II (3)
    - JPN201 - Intermediate Japanese I (3)
    - JPN202 - Intermediate Japanese II (3)
  - Earned a minimum grade of C in each of the following:
    - JPN301 - Japanese Conversation and Composition (3)
  - Complete 1 of the following
    - Completed the following:
      - JPN302 - Japanese Conversation and Composition (3)
    - Earned a minimum grade of C in each of the following:
      - JPN310 - Conversation and Composition Abroad (3)
    - Earned a minimum grade of C in each of the following:
      - JPN314 - Japanese Culture Abroad (3)
    - Earned a minimum grade of C in each of the following:
      - JPN331 - Advanced Language Practice (3)
    - Earned a minimum grade of C in each of the following:
      - JPN350 - Modern Japanese Literature in Translation (3)

Grand Total Credits: **18**

Minimum Credential Hours

12

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

Dept Chair

Legal Studies (Minor)

Program Name

Legal Studies

Degree

Minor

Program Level

Undergraduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Only three hours of credit allowed from LST 250, 488, 489 or 495.

Computer knowledge and a minimum grade of C in ENG 105 are required of all students (including transfers) pursuing this minor.

No substitutions and/or alterations in the above curriculum shall be made without written approval of the department chair.

Program Requirements

- Complete all of the following
  - Completed the following:
    - POL140 - American National Government (3)
    - LST240 - The Legal Environment of Business (3)
    - LST300 - Introduction to Legal Research (3)
  - Completed at least 1 of the following:
    - LST445 - Constitutional Law I: Development and Trends (3)
    - LST447 - Constitutional Law II: Civil Liberties and Civil Rights (3)
  - Earned at least 9 credits from LST

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

Dept Chair

Liberal Arts (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Liberal Arts

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

240101

Program Level

Undergraduate

Department

College of Humanities and Fine Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Major

Description

The Liberal Arts major is designed for students interested in investigating connections between two or more traditional liberal arts fields. Following a wide-reaching University Studies and core program, students choose two 18-hour fields of study drawn from the arts, humanities, natural sciences, and social sciences, plus a minor, and at least one Study Abroad experience. Liberal Arts majors also produce a multidisciplinary senior project in which they explore a topic of interest that combines at least two of their fields of study.

Liberal Arts majors are self-motivated and think creatively across the disciplines. Liberal Arts majors prepare to serve the growing demand in business, industry, and the professions for broadly educated individuals who exhibit interpersonal, analytical, technical, and communication skills, as well as individual initiative.

Graduation Requirements

Note: Study abroad, the hours for which will be taken as part of meeting major, minor, and/or University Studies requirements, is a required element of this program.

Specifically Required University Studies

- Complete all of the following
  - Completed at least 1 of the following:
    - ART211 - A Survey of Art from Antiquity to the Baroque (3)
    - ART212 - A Survey of Art from the Enlightenment to the Present (3)
    - ART213 - Art of Global Cultures (3)
    - MUS104 - Introduction to Jazz History (3)
    - MUS105 - Introduction to Music History (3)
    - MUS106 - Music in Film (3)
    - MUS107 - Introduction to the American Musical Theatre (3)
    - MUS108 - Introduction to World Music (3)
    - MUS109 - Musicianship I: Music Fundamentals (3)
    - THD101 - Dance Appreciation (3)
    - THD104 - The Theatrical Experience (3)
    - THD118 - World Theatre (3)
  - Completed at least 1 of the following:
    - ENG201 - Introduction to Literature (3)
    - ENG243 - Literary Masterpieces: Fantasy, Myth and Legend (3)
    - GDS201 - Introduction to Gender and Diversity Studies (3)
    - RGS200 - Introduction to Religious Studies (3)
  - Completed at least 1 of the following:
    - ANT140 - Exploring World Cultures (3)
    - ARC150 - Introduction to Archaeology (3)
    - HIS221 - American Experience to 1865 (3)
    - HIS222 - American Experience Since 1865 (3)
    - PHI201 - Introduction to Philosophy (3)
    - POL261 - Introduction to Political Theory (3)
    - PSY180 - General Psychology (3)
    - SOC133 - Introduction to Sociology (3)
    - SOC231 - Social Problems (3)

Grand Total Credits: **9**

Program Requirements

- Complete all of the following
  - Core Requirements:
  - Completed the following:
    - LBA100T - Transitions (1)
    - LBA438 - Seminar in Liberal Arts (3)
  - Completed at least 1 of the following:
    - BIO308 - Ethics in Biology (3)
    - PHI202 - Ethics (3)
    - PHI330 - Medical Ethics (3)
    - PHI376 - Environmental Ethics (3)
  - Fields: Choose two fields from the seven disciplines following. No more than one field can be taken from the same discipline. Courses in each field are on file in the Registrar's Office and on the Murray State Liberal Arts website, www.murraystate.edu/liberalarts.
  - Complete 2 of the following
    - Fine Arts:
    - Completed at least 18 credits from the following types of courses: Art History
    - Completed at least 20 credits from the following types of courses: Music
    - Completed at least 18 credits from the following types of courses: Theatre
    - Humanities:
    - Completed at least 18 credits from the following types of courses: English
    - Completed at least 18 credits from the following types of courses: Global Language (one language)
    - Completed at least 18 credits from the following types of courses:

Philosophy
    - Natural Science/Mathematics:
    - Completed at least 19 credits from the following types of courses: Biology
    - Completed at least 19 credits from the following types of courses: Chemistry
    - Completed at least 18 credits from the following types of courses: Earth and Environmental Sciences
    - Completed at least 19 credits from the following types of courses: Mathematics
    - Completed at least 19 credits from the following types of courses: Physical Science
    - Social Science:
    - Completed at least 18 credits from the following types of courses: Economics
    - Completed at least 18 credits from the following types of courses: History
    - Completed at least 18 credits from the following types of courses: International Affairs
    - Completed at least 18 credits from the following types of courses: Legal Studies
    - Completed at least 18 credits from the following types of courses: Political Science
    - Completed at least 18 credits from the following types of courses: Religious Studies
    - Completed at least 18 credits from the following types of courses: Psychology
    - Completed at least 18 credits from the following types of courses: Sociology
    - Gender and Diversity Studies:
    - Completed at least 18 credits from the following types of courses: Gender and Diversity Studies
    - Sustainability Studies:
    - Completed at least 18 credits from the following types of courses: Sustainability Studies
    - Interdiscipliary Studies: With the approval of the program coordinator, an interdisciplinary field will be created, using courses designated within existing liberal arts fields.
    - Completed at least 18 credits from the following types of courses: Interdisciplinary Studies
  - Internship/Cooperative Education: In order to build workplace skills, Liberal Arts majors are strongly encouraged to participate in a program coordinator-approved internship or cooperative education placement. See the MSU Career Services website (www..murraystate.edu/careerservices) for more information.
  - Completed at least 21 credits from the following types of courses: Required Minor

Grand Total Credits: **64 - 67**

Minimum Credential Hours

120

Program Contact Information

Program Coordinator: Barbara Cobb (270) 809-4538 bcobb@murraystate.edu

Default Advisor

B. Cobb

Linguistics (Minor)

Program Name

Linguistics

Degree

Minor

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must come from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ENG309 - History of English Language (3)
    - ENG310 - Introduction to English Linguistics (3)
    - ENG362 - Linguistic Diversity Across Cultures (3)
    - TSL409 - Acquisition of Languages in Children and Adolescents (3)
  - Earned at least 9 credits from: Courses from TSL -
    - CDI340 - Speech and Language Development (3)
    - ENG228 - Standard English Usage (3)
    - PHI184 - Logic, Language, and Truth (3)
    - PSY326 - Psychology of Language (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

Dept Chair

Literature and Philosophy (Minor)

Program Name

Literature and Philosophy

Degree

Minor

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Only two courses from this minor may be shared with University Studies requirements.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ENG201 - Introduction to Literature (3)
    - PHI201 - Introduction to Philosophy (3)
  - Completed at least 1 of the following:
    - ENG360 - Literature and Philosophy (3)
    - PHI360 - Literature and Philosophy (3)
  - Completed at least 1 of the following:
    - ENG303 - British Literature to 1760 (3)
    - ENG304 - British Literature, 1760 to the Present (3)
    - ENG311 - American Literature to 1865 (3)
    - ENG312 - American Literature 1865 to 1945 (3)
  - Completed at least 1 of the following:
    - ENG305 - Survey of World Literature, 1700-1945 (3)
    - ENG306 - Contemporary Literature (3)
    - ENG334 - Shakespeare (3)
    - ENG426 - Classical Literature (3)
    - ENG427 - Medieval Literature (3)
    - ENG428 - Renaissance Literature (3)
  - Completed at least 2 of the following:
    - PHI221 - Philosophy of Religion (3)
    - PHI304 - History of Philosophy I: Ancient/Medieval (3)
    - PHI305 - History of Philosophy II: Modern/19th Century (3)
    - PHI310 - American Philosophy (3)
    - PHI315 - Social and Political Philosophy (3)
    - PHI325 - Philosophy of Art (3)
    - PHI356 - Continental Philosophy (3)
    - PHI357 - Feminist Philosophy (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

Dept Chair

MA + DA Accelerated English Pedagogy/Teaching English Literature & English (MA + DA: Master of Arts + Doctor of Arts)

Program Name

MA + DA Accelerated English Pedagogy/Teaching English Literature & English

Degree

MA + DA: Master of Arts + Doctor of Arts

CIP Code

230101

Program Level

Accelerated Program

Department

English and Philosophy

College

College of Humanities and Fine Arts

Description

The Accelerated Doctor of Arts in English Pedagogy/Master of Arts in English program allows highly qualified students with a Bachelor's degree in English or English Education or the equivalent thereof early admission to the Doctor of Arts in English Pedagogy program (Teaching Literature specialization) while also pursuing the Master of Arts in English in an accelerated format. A total of 72 hours of coursework is required, six fewer than the 78 hours required for the two degree taken separately. No coursework from a previously awarded graduate degree may be transferred into the program.

Admission Requirements
Applicants must comply with the Murray State University requirements for admission to graduate programs (see Chapter 2 of the *Murray State University Academic Bulletin*). For non-native speakers of English, a TOEFL score of 20 for each section of the iBT, an IELTS score of 6.5 with no band lower than 6.0 is required; however if nonnative English speakers submit English proficiency test scores below the minimum, English proficiency will be interpreted in light of other evidence of English proficiency, such as prior degrees from higher education institutions at which English is the language of instruction, publications in English, interviews, and/or on-site evaluation.

Additional requirements for unconditional and conditional admissions are as follows:
Unconditional
• Bachelor's degree in English or English Education with at least 24 hours of coursework in British and American Literature;
• Undergraduate GPA of 3.5 or higher;
• Letter of application;
• Sample of academic writing in the field judged to be indicative of likely success in a doctoral program;
• Three satisfactory letters of reference, at least two of which address the applicant's academic ability and one of which addresses the applicant's practical experience relevant to education;
• Portfolio of teaching materials of the applicant's own design indicative of teaching ability;
• Satisfactory interview with graduate faculty

Conditional
• Bachelor's degree in English, English Education, or closely related discipline including significant coursework in British and American Literature;
• Undergraduate GPA of 3.3 or higher;
• Departmental judgment of probable success based on the following criteria:
1. Sample of writing in the field judged to be indicative of likely success in a doctoral program
2. Portfolio of teaching materials of the applicant's own design indicative of teaching ability
3. Three satisfactory letters of reference, at least two of which address the applicant's academic ability and one of which addresses the applicant's practical experience relevant to education
4. Satisfactory interview with graduate faculty
5. Other evidence such as teaching experience, professional achievement, GRE General Test scores indicative of likely success in a doctoral program
6. Planned program of prerequisite courses

Program of Study
Students must complete both programs within eight years of initial enrollment. The following coursework must be completed prior to commencing doctoral core coursework.

Minimum Credential Hours

72

Program Contact Information

Graduate Coordinator: Kevin Binfield 7C9 Faculty Hall (270) 809-2401

Default Advisor

K. Binfield

Music (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Music

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

500901

Program Level

Undergraduate

Department

Music

College

College of Humanities and Fine Arts

Undergraduate Program Type

Area

Accreditations

National Association of Schools of Music (NASM)

Graduation Requirements

Six successful semesters of MUS 101 are required. To successfully complete the course each semester the student must gain credit for 10 approved recitals and have no more than one absence from required assembly programs.

Applied music is studied for four semesters at two credit hours per semester and four additional semesters at one or two credit hours per semester. Voice majors must register for MUS 225 and MUS 226.

Non-keyboard majors must study piano or take the appropriate functional keyboard class for two semesters. All keyboard majors must pass the Functional Keyboard IV competency exam. Keyboard majors who have fulfilled the functional keyboard requirement may elect to study another instrument (e.g., organ, harpsichord, voice, etc.) with the approval of the academic advisor.

Research track. The student more interested in research than applied music has the option of taking applied music instruction for two credit hours each semester for four semesters and then taking one credit hour of instruction for an additional four semesters. The student in the research track will take four credit hours of course work related to his/her area of research with the presentation of a final project (MUS 497) as the culmination of this study. Research project. In lieu of a recital, the student may propose a scholarly document. The proposal may be presented as early as the beginning of the fifth semester of study and no later than after the sixth semester of study. The proposal is prepared under the guidance of the student’s advisor and submitted to a three-member committee.

Performance track. The student interested in performance has the option of taking applied music instruction for two credit hours each semester for eight semesters. The culmination of study will be the senior recital (MUS 498).

Recital. The student, in consultation with the applied teacher and the academic advisor, makes a preliminary decision at the end of the fourth semester of study toward either the performance or research track. The final decision must be made by the end of the sixth semester of study. If the performance track is chosen, a half-recital will be performed.

Program Requirements

- Complete all of the following
  - Completed the following:
    - MUS100T - Transitions (1)
    - MUS101 - Recital Attendance and Assembly (0)
  - Earned at least 4 credits from MUS 114 - 119
  - Completed the following:
    - MUS170 - Theory I (3)
    - MUS171 - Aural Skills I (1)
    - MUS172 - Functional Keyboard I (1)
    - MUS173 - Theory II (3)
    - MUS174 - Aural Skills II (1)
    - MUS175 - Functional Keyboard II (1)
  - Earned at least 4 credits from MUS 214 - 219
  - Completed the following:
    - MUS270 - Theory III (3)
    - MUS271 - Aural Skills III (1)
    - MUS273 - Theory IV (3)
    - MUS274 - Aural Skills IV (1)
  - Earned at least 4 credits from MUS 314 - 319
  - Completed the following:
    - MUS323 - Basic Conducting (2)
    - MUS381 - Music History and Literature I (3)
    - MUS382 - Music History and Literature II (3)
    - MUS383 - Music History and Literature III (3)
    - MUS392 - Professional Engagement (1)
  - Earned at least 2 credits from MUS 414 - 419
  - Completed at least 1 of the following:
    - MUS497 - Final Project (0)
    - MUS498 - Senior Recital (0)
  - Completed at least 8 credits from the following types of courses:
    Ensembles: Students are required to participate in a major ensemble involving their primary instrument concurrent with every semester of applied music study. Major ensembles include Symphonic Band, Wind Ensemble, University Orchestra, Concert Band, University Chorale, Concert Choir, Women’s Chorus, and Racer Men’s Chorus. Some performance areas have more specific requirements. Students should consult their advisors and applied lesson teachers for detailed requirements.

Grand Total Credits: **53**

Minimum Credential Hours

120

Program Contact Information

Department of Music 504 Price Doyle Fine Arts Center (270) 809-4288

Default Advisor

L. Unrau-Terry

Music (BA/BS: Bachelor of Arts or Bachelor of Science) - Music/Composition Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Music (BA/BS: Bachelor of Arts or Bachelor of Science) - Music/Composition Track

Degree

BM: Bachelor of Music

CIP Code

500901

Specialization Level

Undergraduate

Department

Music

College

College of Humanities and Fine Arts

Specialization Type

Area

Accreditations

National Association of Schools of Art and Design (NASAD)

Graduation Requirements

Six successful semesters of MUS 101 are required. To successfully complete the course each semester the student must gain credit for 10 approved recitals and have no more than one absence from required assembly programs.

A minimum of six consecutive semesters of specified study in applied music is required.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - MUS100T - Transitions (1)
    - MUS101 - Recital Attendance and Assembly (0)
  - Earned at least 4 credits from MUS 114 - 119
  - Completed the following:
    - MUS170 - Theory I (3)
    - MUS171 - Aural Skills I (1)
    - MUS172 - Functional Keyboard I (1)
    - MUS173 - Theory II (3)
    - MUS174 - Aural Skills II (1)
    - MUS175 - Functional Keyboard II (1)
  - Earned at least 4 credits from MUS 214 - 219
  - Completed the following:
    - MUS140 - Introduction to Composition (3)
    - MUS241 - Composition Level I (1 - 3)
    - MUS270 - Theory III (3)
    - MUS271 - Aural Skills III (1)
    - MUS272 - Functional Keyboard III (1)
    - MUS273 - Theory IV (3)
    - MUS274 - Aural Skills IV (1)
    - MUS275 - Functional Keyboard IV (1)
    - MUS313 - Introduction to Music Synthesis (1)
  - Earned at least 6 credits from MUS 314 - 319
  - Completed the following:
    - MUS323 - Basic Conducting (2)
    - MUS327 - Arranging Techniques (2)
  - Earned at least credits from the following:
    - MUS341 - Composition Level II (3)

- Completed the following:
  - MUS381 - Music History and Literature I (3)
  - MUS382 - Music History and Literature II (3)
  - MUS383 - Music History and Literature III (3)
  - MUS427 - Advanced Arranging and Orchestration (2)
- Earned at least 6 credits from the following:
  - MUS441 - Composition Level III (3)
- Completed the following:
  - MUS490 - Senior Seminar (1)
  - MUS498 - Senior Recital (0)
  - MUS511 - Analysis of Contemporary Music (3)
  - MUS513 - Form and Analysis (3)
- Ensembles:
- Completed at least 6 credits from the following types of courses:
  Concurrent with each semester of applied study on an instrument, students are required to enroll in a performing ensemble on that instrument with the approval of the ensemble director. All for of the required semesters must be in a major ensemble (Wind Ensemble, Symphonic Band, Concert Band, University Orchestra, Concert Choir, Women's Chorus, or Racer Men's Chorus).
- Electives:
- Earned at least 6 credits from the following:
  - MUS131 - Percussion Methods (1)
  - MUS132 - Woodwind Methods (1)
  - MUS133 - String Methods (1)
  - MUS134 - Voice Methods (1)
  - MUS135 - Brass Methods (1)
  - MUS243 - Making Music with Your Laptop (2)
  - MUS337 - Recording Techniques I (3)
  - MUS338 - Recording Techniques II (3)
  - MUS423 - Instrumental Conducting (2)
  - MUS424 - Choral Conducting (2)
  - MUS512 - Counterpoint (3)
  - PHY105 - The Science of Sound (4)

Grand Total Credits: **80 - 82**

Minimum Credential Hours

120

Specialization Contact Information

Department of Music 504 Price Doyle Fine Arts Center (270) 809-4288

Default Advisor

L. Unrau-Terry

Music (BA/BS: Bachelor of Arts or Bachelor of Science) - Music/Keyboard Studies Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Music (BA/BS: Bachelor of Arts or Bachelor of Science) - Music/Keyboard Studies Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

500901

Specialization Level

Undergraduate

Department

Music

College

College of Humanities and Fine Arts

Specialization Type

Area

Accreditations

National Association of Schools of Art and Design (NASAD)

Graduation Requirements

Six successful semesters of MUS 101 are required. To successfully complete the course each semester the student must gain credit for 10 approved recitals and have no more than one absence from required assembly programs.

All keyboard studies majors are expected to fulfill the functional keyboard requirement of completing Keyboard Level IV.

Research track. The student more interested in research than applied music has the option of taking applied music instruction for two credit hours each semester for four semesters and then taking one credit hour of instruction for an additional four semesters. The student in the research track will take four credit hours of course work related to his/her area of research with the presentation of a final project (MUS 497) as the culmination of this study. Research project. In lieu of a recital, the student may propose a scholarly document. The proposal may be presented as early as the beginning of the fifth semester of study and no later than after the sixth semester of study. The proposal is prepared under the guidance of the student’s advisor and submitted to a three-member committee.

Performance track. The student interested in performance has the option of taking applied music instruction for two credit hours each semester for eight semesters. The culmination of study will be the senior recital (MUS 498).

Recital. The student, in consultation with the applied teacher and the academic advisor, makes a preliminary decision at the end of the fourth semester of study toward either the performance or research track. The final decision must be made by the end of the sixth semester of study. If the performance track is chosen, a half-recital will be performed.

MUS 116, 216, 316, and 416 are required if the major instrument is organ.

MUS 117, 217, 317, and 417 are required if the major instrument is piano.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - MUS100T - Transitions (1)
    - MUS101 - Recital Attendance and Assembly (0)
  - Complete 1 of the following
    - Earned at least 4 credits from the following:
      - MUS116 - Organ Level I (1 - 4)
    - Earned at least 4 credits from the following:
      - MUS117 - Piano Level I (1 - 4)

- Completed the following:
  - MUS170 - Theory I (3)
  - MUS171 - Aural Skills I (1)
  - MUS172 - Functional Keyboard I (1)
  - MUS173 - Theory II (3)
  - MUS174 - Aural Skills II (1)
  - MUS175 - Functional Keyboard II (1)
- Complete 1 of the following
  - Earned at least 2 credits from the following:
    - MUS216 - Organ Level II (1 - 4)
  - Earned at least 2 credits from the following:
    - MUS217 - Piano Level II (1 - 4)
- Completed the following:
  - MUS270 - Theory III (3)
  - MUS271 - Aural Skills III (1)
  - MUS272 - Functional Keyboard III (1)
  - MUS273 - Theory IV (3)
  - MUS274 - Aural Skills IV (1)
  - MUS275 - Functional Keyboard IV (1)
- Earned at least 2 credits from the following:
  - MUS313 - Introduction to Music Synthesis (1)
- Complete 1 of the following
  - Earned at least 2 credits from the following:
    - MUS316 - Organ Level III (1 - 4)
  - Earned at least 2 credits from the following:
    - MUS317 - Piano Level III (1 - 4)
- Completed the following:
  - MUS323 - Basic Conducting (2)
  - MUS381 - Music History and Literature I (3)
  - MUS382 - Music History and Literature II (3)
  - MUS383 - Music History and Literature III (3)
  - MUS392 - Professional Engagement (1)
  - MUS396 - Repertoire/Pedagogy (2)
- Complete 1 of the following
  - Earned at least 4 credits from the following:
    - MUS416 - Organ Level IV (1 - 4)
  - Earned at least 4 credits from the following:
    - MUS417 - Piano Level IV (1 - 4)
- Completed the following:
  - MUS439 - Harpsichord (1)
  - MUS496 - Repertoire/Pedagogy (2)
- Completed at least 1 of the following:
  - MUS497 - Final Project (0)
  - MUS498 - Senior Recital (0)
- Completed at least 8 credits from the following types of courses:
  Ensembles: Students are required to participate in a major ensemble involving their primary instrument concurrent with every semester of applied music study. Major ensembles include Symphonic Band, Wind Ensemble, University Orchestra, Concert Band, University Chorale, Concert Choir, Women’s Chorus, and Racer Men’s Chorus. Some performance areas have more specific requirements. Students should consult their advisors and applied lesson teachers for detailed requirements.

Grand Total Credits: **60**

Minimum Credential Hours

120

Specialization Contact Information

Department of Music 504 Price Doyle Fine Arts Center (270) 809-4288

Default Advisor

L. Unrau-Terry

Music (BA/BS: Bachelor of Arts or Bachelor of Science) - Music/Music Business Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Music (BA/BS: Bachelor of Arts or Bachelor of Science) - Music/Music Business Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

500901

Specialization Level

Undergraduate

Department

Music

College

College of Humanities and Fine Arts

Specialization Type

Area

Accreditations

National Association of Schools of Art and Design (NASAD)

Graduation Requirements

Six successful semesters of MUS 101 are required. To successfully complete the course each semester the student must gain credit for 10 approved recitals and have no more than one absence from required assembly programs.

It is recommended that ACC 201 also be taken.

Two internships for a total of four credit hours are required. May be repeated for a maximum of six hours from any 488/489 course.

Specifically Required University Studies

- Completed the following:
  - CSC199 - Introduction to Information Technology (3)
  - ECO230 - Macroeconomics (3)
  - ECO231 - Microeconomics (3)

Grand Total Credits: **9**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - MUS100T - Transitions (1)
    - MUS101 - Recital Attendance and Assembly (0)
  - Earned at least 4 credits from MUS 114 - 119
  - Completed the following:
    - MUS170 - Theory I (3)
    - MUS171 - Aural Skills I (1)
    - MUS172 - Functional Keyboard I (1)
    - MUS173 - Theory II (3)
    - MUS174 - Aural Skills II (1)
    - MUS175 - Functional Keyboard II (1)
  - Earned at least 4 credits from MUS 214 - 219
  - Completed the following:
    - MUS270 - Theory III (3)
    - MUS271 - Aural Skills III (1)
    - MUS273 - Theory IV (3)
    - MUS274 - Aural Skills IV (1)
    - MUS323 - Basic Conducting (2)
    - MUS381 - Music History and Literature I (3)
    - MUS382 - Music History and Literature II (3)
    - MUS383 - Music History and Literature III (3)
  - Completed at least 9 credits from the following types of courses:
    300-level and above electives
  - Completed at least 4 credits from the following types of courses:
    Ensembles: Students are required to participate in a major ensemble involving their primary instrument concurrent with every semester of applied music study. Major ensembles include Symphonic Band, Wind Ensemble, University Orchestra, Concert Band, University Chorale, Concert Choir, Women’s Chorus, and Racer Men’s Chorus. Some performance areas have more specific requirements. Students should consult their advisors and applied lesson teachers for detailed requirements.
  - Music Business Courses:
  - Completed the following:
    - ACC200 - Principles of Financial Accounting (3)
    - JMC391 - Public Relations Principles (3)
    - JMC394 - Introduction to Advertising (3)
    - MGT350 - Fundamentals of Management (3)
    - MKT360 - Principles of Marketing (3)
    - MUS230 - Introduction to the Music Industry (3)
    - MUS440 - Entrepreneurship in Music Business (3)
    - MUS488 - Cooperative Education/Internship (1 - 3)
    - MUS489 - Coop Ed/Internship (1 - 3)
  - Completed at least 2 of the following:
    - MUS332 - Marketing in the Music Business (3)
    - MUS333 - Live Performance and Concert Promotion (3)
    - MUS334 - Artist Management and Development (3)
    - MUS335 - Copyright Law and Legal Issues in the Music Business (3)

Grand Total Credits: **80 - 84**

Minimum Credential Hours

120

Specialization Contact Information

Department of Music 504 Price Doyle Fine Arts Center (270) 809-4288

Default Advisor

L. Unrau-Terry

Music (BA/BS: Bachelor of Arts or Bachelor of Science) - Music/Music Education P-12 Certification Track Instrumental

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Music (BA/BS: Bachelor of Arts or Bachelor of Science) - Music/Music Education P-12 Certification Track Instrumental

Degree

BM: Bachelor of Music

CIP Code

500901

Specialization Level

Undergraduate

Department

Music

College

College of Humanities and Fine Arts

Specialization Type

Area

Accreditations

National Association of Schools of Art and Design (NASAD)

Graduation Requirements

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, a public speaking course, and MUS 180. Additional requirements for admission to teacher education and student teaching must be met. Students should see their academic advisor or the Office of Teacher Education Services for details.

Six successful semesters of MUS 101 are required. To successfully complete the course each semester the student must gain credit for 10 approved recitals and have no more than one absence from required assembly programs. Attendance may be required at designated department recitals and/or events.

A minimum of seven semesters of specified study to equal 14 hours in applied music is required as are periodic jury and proficiency examinations. A half-recital must be given in the final semester of study. Recital must be completed prior to the semester of student teaching.

Student may be exempted from one of the technique classes upon satisfactory demonstration of teaching proficiency as determined by the instructor of the course.

MUS 302, MUS 480, and SEC 420 are taken concurrently, two semesters before student teaching.

EDU 485 and SEC 422 are taken concurrently, one semester before student teaching.

Specifically Required University Studies

- Completed at least 1 of the following:
  - ART105 - Studio Art For Non-Majors (3)
  - ART121 - Art and Visual Culture (3)
  - ART211 - A Survey of Art from Antiquity to the Baroque (3)
  - ART212 - A Survey of Art from the Enlightenment to the Present (3)

Grand Total Credits: **3**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - MUS100T - Transitions (1)
    - MUS101 - Recital Attendance and Assembly (0)
  - Earned at least 4 credits from MUS 114 - 118
  - Completed the following:
    - MUS131 - Percussion Methods (1)
    - MUS132 - Woodwind Methods (1)
    - MUS133 - String Methods (1)
    - MUS134 - Voice Methods (1)
    - MUS135 - Brass Methods (1)
    - MUS170 - Theory I (3)
    - MUS171 - Aural Skills I (1)
    - MUS172 - Functional Keyboard I (1)
    - MUS173 - Theory II (3)
    - MUS174 - Aural Skills II (1)
    - MUS175 - Functional Keyboard II (1)
  - Earned a minimum grade of B in each of the following:
    - MUS180 - Exploring the Music Education Profession (3)
  - Earned at least 4 credits from MUS 214 - 218
  - Completed the following:
    - MUS270 - Theory III (3)
    - MUS271 - Aural Skills III (1)
    - MUS272 - Functional Keyboard III (1)
    - MUS273 - Theory IV (3)
    - MUS274 - Aural Skills IV (1)
    - MUS275 - Functional Keyboard IV (1)
    - MUS280 - Educating for Human Development in the Music Classroom (3)
    - MUS301 - General Music Methods (3)
    - MUS302 - Choral Methods (2)
    - MUS303 - Instrumental Methods: Elementary and Middle School (2)
    - MUS304 - Advanced Instrumental Methods (2)
  - Earned at least 4 credits from MUS 314 - 318
  - Completed the following:
    - MUS323 - Basic Conducting (2)
    - MUS327 - Arranging Techniques (2)
    - MUS380 - Inclusive Teaching of Diverse Learners in Music (3)
    - MUS381 - Music History and Literature I (3)
    - MUS382 - Music History and Literature II (3)
    - MUS383 - Music History and Literature III (3)
  - Earned at least 4 credits from MUS 414 - 418
  - Completed the following:
    - MUS423 - Instrumental Conducting (2)
    - MUS480 - Effective Pedagogy in Music Education (2)
    - MUS498 - Senior Recital (0)
    - MUS513 - Form and Analysis (3)
  - Ensembles:
  - Completed at least 7 credits from the following types of courses:
    Students are required to participate in a major ensemble involving their primary instrument

concurrent with every semester of applied music study. Major ensembles include Symphonic Band, Wind Ensemble, University Orchestra, Concert Band, University Chorale, Concert Choir, Women's Chorus, and Racer Men's Chorus. Some performance areas have more specific requirements. Students should consult their advisors and applied lesson teachers for detailed requirements.
- Required for Teacher Certification:
- Completed the following:
  - EDU485 - Professional Perspectives for Teaching (1)
  - ELE421 - Student Teaching Elementary P-5, IECE (7 - 14)
  - SEC420 - Practicum in Secondary Schools (3)
  - SEC421 - Student Teaching in the Secondary School (7 - 14)
  - SEC422 - Extended Practicum (4)

Grand Total Credits: **109 - 123**

Minimum Credential Hours

120

Specialization Contact Information

Department of Music 504 Price Doyle Fine Arts Center (270) 809-4288

Default Advisor

L. Unrau-Terry

Music (BA/BS: Bachelor of Arts or Bachelor of Science) - Music/Music Education P-12 Certification Track Vocal

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Music (BA/BS: Bachelor of Arts or Bachelor of Science) - Music/Music Education P-12 Certification Track Vocal

Degree

BM: Bachelor of Music

CIP Code

500901

Specialization Level

Undergraduate

Department

Music

College

College of Humanities and Fine Arts

Specialization Type

Area

Accreditations

National Association of Schools of Art and Design (NASAD)

Graduation Requirements

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, a public speaking course, and MUS 180. Additional requirements for admission to teacher education and student teaching must be met. Students should see their academic advisor or the Office of Teacher Education Services for details.

Six successful semesters of MUS 101 are required. To successfully complete the course each semester the student must gain credit for 10 approved recitals and have no more than one absence from required assembly programs. Attendance may be required at designated department recitals and/or events.

A minimum of seven semesters of specified study to equal 14 hours in applied music is required as are periodic jury and proficiency examinations. A half-recital must be given in the final semester of study. Keyboard majors selecting the Vocal Track will take four consecutive semesters of voice instruction for 1 credit hour each semester; MUS 134 may be substituted for the first semester of vocal study.

MUS 302, MUS 480, and SEC 420 are taken concurrently, two semesters before student teaching.

EDU 485 and SEC 422 are taken concurrently, one semester before student teaching.

Specifically Required University Studies

- Completed at least 1 of the following:
  - ART105 - Studio Art For Non-Majors (3)
  - ART121 - Art and Visual Culture (3)
  - ART211 - A Survey of Art from Antiquity to the Baroque (3)
  - ART212 - A Survey of Art from the Enlightenment to the Present (3)

Grand Total Credits: **3**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - MUS100T - Transitions (1)
    - MUS101 - Recital Attendance and Assembly (0)
  - Earned at least credits from the following:
    - MUS116 - Organ Level I (1 - 4)
    - MUS117 - Piano Level I (1 - 4)
    - MUS119 - Voice Level I (1 - 4)
  - Completed the following:
    - MUS170 - Theory I (3)
    - MUS171 - Aural Skills I (1)
    - MUS172 - Functional Keyboard I (1)
    - MUS173 - Theory II (3)
    - MUS174 - Aural Skills II (1)
    - MUS175 - Functional Keyboard II (1)
  - Earned a minimum grade of B in each of the following:
    - MUS180 - Exploring the Music Education Profession (3)
  - Earned at least credits from the following:
    - MUS216 - Organ Level II (1 - 4)
    - MUS217 - Piano Level II (1 - 4)
    - MUS219 - Voice Level II (1 - 4)
  - Completed the following:
    - MUS225 - English and German Diction for Singers (1)
    - MUS226 - French and Italian Diction for Singers (1)
    - MUS270 - Theory III (3)
    - MUS271 - Aural Skills III (1)

        - MUS272 - Functional Keyboard III (1)
        - MUS273 - Theory IV (3)
        - MUS274 - Aural Skills IV (1)
        - MUS275 - Functional Keyboard IV (1)
        - MUS280 - Educating for Human Development in the Music Classroom (3)
        - MUS301 - General Music Methods (3)
        - MUS302 - Choral Methods (2)
        - MUS303 - Instrumental Methods: Elementary and Middle School (2)
    - Earned at least credits from the following:
        - MUS316 - Organ Level III (1 - 4)
        - MUS317 - Piano Level III (1 - 4)
        - MUS319 - Voice Level III (1 - 4)
    - Completed the following:
        - MUS320 - Vocal Pedagogy for the Music Educator (2)
        - MUS321 - Choral Repertoire (2)
        - MUS323 - Basic Conducting (2)
        - MUS327 - Arranging Techniques (2)
        - MUS380 - Inclusive Teaching of Diverse Learners in Music (3)
        - MUS381 - Music History and Literature I (3)
        - MUS382 - Music History and Literature II (3)
        - MUS383 - Music History and Literature III (3)
    - Earned at least credits from the following:
        - MUS416 - Organ Level IV (1 - 4)
        - MUS417 - Piano Level IV (1 - 4)
        - MUS419 - Voice Level IV (1 - 4)
    - Completed the following:
        - MUS424 - Choral Conducting (2)
        - MUS480 - Effective Pedagogy in Music Education (2)
        - MUS498 - Senior Recital (0)
        - MUS513 - Form and Analysis (3)
    - Ensembles:
    - Completed at least 7 credits from the following types of courses:
      Students are required to participate in a major ensemble involving their primary instrument concurrent with every semester of applied music study. Major ensembles include Symphonic Band, Wind Ensemble, University Orchestra, Concert Band, University Chorale, Concert Choir, Women’s Chorus, and Racer Men’s Chorus. Some performance areas have more specific requirements. Students should consult their advisors and applied lesson teachers for detailed requirements.
    - Required for Teacher Certification:
    - Completed the following:
        - EDU485 - Professional Perspectives for Teaching (1)
        - ELE421 - Student Teaching Elementary P-5, IECE (7 - 14)
        - SEC420 - Practicum in Secondary Schools (3)
        - SEC421 - Student Teaching in the Secondary School (7 - 14)
        - SEC422 - Extended Practicum (4)

Grand Total Credits: **92 - 106**

Minimum Credential Hours

120

Specialization Contact Information

Department of Music 504 Price Doyle Fine Arts Center (270) 809-4288

Default Advisor

L. Unrau-Terry

Music (BA/BS: Bachelor of Arts or Bachelor of Science) - Music/Musical Theatre Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Music (BA/BS: Bachelor of Arts or Bachelor of Science) - Music/Musical Theatre Track

Degree

BM: Bachelor of Music

CIP Code

500999

Specialization Level

Undergraduate

Department

Music

College

College of Humanities and Fine Arts

Specialization Type

Area

Accreditations

National Association of Schools of Art and Design (NASAD)

Graduation Requirements

In addition to admission to the University, prospective music major and minor students must be admitted to Department of Music academic programs through a qualifying audition in their performance area. Contact the department for further information. A performance proficiency in applied music must be passed after the second semester of study to remain in the program and to continue pursuing the Musical Theatre Major. Students may only attempt this proficiency twice and must pass before registering for 200 level courses.

A minimum grade of C is required for graduation in all music courses, including ensembles specifically required by the music degree being pursued.

Six successful semesters of MUS 101 are required. To successfully complete the course each semester the student must gain credit for 10 approved recitals and have no more than one absence from required assembly programs.

Students are limited to one choral ensemble per semester unless they receive special permission.

Specifically Required University Studies

- Completed the following:
  - MUS107 - Introduction to the American Musical Theatre (3)

Grand Total Credits: **3**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - MUS100T - Transitions (1)
    - MUS101 - Recital Attendance and Assembly (0)
    - MUS111 - Musical Theatre Proficiency (0)
    - MUS112 - Musical Theatre Production Practicum (1)
    - MUS170 - Theory I (3)
    - MUS171 - Aural Skills I (1)
    - MUS172 - Functional Keyboard I (1)
    - MUS173 - Theory II (3)
    - MUS174 - Aural Skills II (1)
    - MUS175 - Functional Keyboard II (1)
    - MUS212 - Voice and Diction (3)
    - MUS270 - Theory III (3)
    - MUS271 - Aural Skills III (1)
    - MUS273 - Theory IV (3)
    - MUS274 - Aural Skills IV (1)
    - MUS389 - Musical Theatre Performance I (3)
    - MUS392 - Professional Engagement (1)
    - MUS497 - Final Project (0)
  - Earned at least 16 credits from the following:
    - MUS119 - Voice Level I (1 - 4)
    - MUS219 - Voice Level II (1 - 4)
    - MUS319 - Voice Level III (1 - 4)
    - MUS419 - Voice Level IV (1 - 4)
  - Earned at least 6 credits from the following:
    - MUS164 - Opera Workshop (1)
    - MUS364 - Opera Workshop (1 - 2)
  - Ensembles:
  - Completed at least 7 credits from the following types of courses:
    Students are required to participate in a major ensemble involving their primary instrument concurrent with every semester of applied music study. Major ensembles include Symphonic Band, Wind Ensemble, University Orchestra, Concert Band, University Chorale, Concert Choir, Women’s Chorus, and Racer Men’s Chorus. Some performance areas have more specific requirements. Students should consult their advisors and applied lesson teachers for detailed requirements.
  - Theatre and Dance:
  - Completed the following:
    - THD103 - Theatre Foundations (1)
    - THD111 - Acting I (3)
    - THD260 - Music Theatre Dance I (3)
    - THD262 - Jazz Dance I (3)
    - THD270 - Stage Combat (3)
    - THD310 - Acting II (3)
    - THD341 - Advanced Theatrical Makeup (3)
    - THD344 - Theatre History and Literature II (3)
    - THD360 - Music Theatre Dance II (3)
    - THD410 - Acting III (3)
  - Electives:
  - Earned at least 6 credits from the following:
    - THD140 - Stagecraft (3)
    - THD142 - Costume Construction (3)
    - THD275 - Acting for Film, Television, and Commercials (3)
    - THD362 - Jazz Dance II (3)

Grand Total Credits: **90**

Minimum Credential Hours

120

Specialization Contact Information

Department of Music 504 Price Doyle Fine Arts Center (270) 809-4288

Default Advisor

M. Crawford

Music (BA/BS: Bachelor of Arts or Bachelor of Science) - Music/Performance-Instrumental Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Music (BA/BS: Bachelor of Arts or Bachelor of Science) - Music/Performance-Instrumental Track

Degree

BM: Bachelor of Music

CIP Code

500901

Specialization Level

Undergraduate

Department

Music

College

College of Humanities and Fine Arts

Specialization Type

Area

Accreditations

National Association of Schools of Art and Design (NASAD)

Graduation Requirements

Admission to this degree program is conditional for the first year. Continuation in the program is dependent upon the advice of the applied lessons teacher and departmental chair after assessment of performance talent, achievement, and general musicianship.

Six successful semesters of MUS 101 are required. To successfully complete the course each semester the student must gain credit for 10 approved recitals and have no more than one absence from required assembly programs.

Applied music is studied at two or three credits in the first two semesters and three credits in semesters three through eight. Periodic jury and proficiency examinations are required. A half-recital (MUS 398) is required in the junior year and a full recital (MUS 498) is required in the senior year.

All students in the performance Track of the B.M. degree must pass the Functional Keyboard IV competency exam followed by two credit hours of applied secondary study. Students are advised into the correct section of Functional Keyboard according to demonstrated ability and achievement.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - MUS100T - Transitions (1)

        - MUS101 - Recital Attendance and Assembly (0)
    - Earned at least 4 credits from MUS 114 - 118
    - Completed the following:
        - MUS170 - Theory I (3)
        - MUS171 - Aural Skills I (1)
        - MUS172 - Functional Keyboard I (1)
        - MUS173 - Theory II (3)
        - MUS174 - Aural Skills II (1)
        - MUS175 - Functional Keyboard II (1)
    - Earned at least 6 credits from MUS 214 - 218
    - Completed the following:
        - MUS270 - Theory III (3)
        - MUS271 - Aural Skills III (1)
        - MUS272 - Functional Keyboard III (1)
        - MUS273 - Theory IV (3)
        - MUS274 - Aural Skills IV (1)
        - MUS275 - Functional Keyboard IV (1)
    - Earned at least 6 credits from MUS 314 - 318
    - Completed the following:
        - MUS323 - Basic Conducting (2)
        - MUS381 - Music History and Literature I (3)
        - MUS382 - Music History and Literature II (3)
        - MUS383 - Music History and Literature III (3)
        - MUS392 - Professional Engagement (1)
        - MUS396 - Repertoire/Pedagogy (2)
        - MUS398 - Junior Recital (0)
    - Earned at least 6 credits from MUS 414 - 418
    - Completed the following:
        - MUS496 - Repertoire/Pedagogy (2)
        - MUS498 - Senior Recital (0)
        - MUS511 - Analysis of Contemporary Music (3)
        - MUS513 - Form and Analysis (3)
    - Ensembles:
    - Completed at least 8 credits from the following types of courses:
      Students are required to participate in a major ensemble involving their primary instrument concurrent with every semester of applied music study. Major ensembles include Symphonic Band, Wind Ensemble, University Orchestra, Concert Band, University Chorale, Concert Choir, Women’s Chorus, and Racer Men’s Chorus. Some performance areas have more specific requirements. Students should consult their advisors and applied lesson teachers for detailed requirements.
    - Electives:
    - Earned at least 13 credits from the following:
        - MUS106 - Music in Film (3)
        - MUS107 - Introduction to the American Musical Theatre (3)
        - MUS108 - Introduction to World Music (3)
        - MUS140 - Introduction to Composition (3)
        - MUS230 - Introduction to the Music Industry (3)
        - MUS241 - Composition Level I (1 - 3)
        - MUS313 - Introduction to Music Synthesis (1)
        - MUS327 - Arranging Techniques (2)
        - MUS334 - Artist Management and Development (3)
        - MUS337 - Recording Techniques I (3)
        - MUS338 - Recording Techniques II (3)
        - MUS423 - Instrumental Conducting (2)
        - MUS424 - Choral Conducting (2)
        - MUS431 - Special Topics I (3)
        - MUS459 - Advanced Music History and Literature (3)
        - MUS530 - Special Topics (3)

Grand Total Credits: **86**

Minimum Credential Hours

120

Specialization Contact Information

Department of Music 504 Price Doyle Fine Arts Center (270) 809-4288

Default Advisor

L. Unrau-Terry

Music (BA/BS: Bachelor of Arts or Bachelor of Science) - Music/Performance-Vocal Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Music (BA/BS: Bachelor of Arts or Bachelor of Science) - Music/Performance-Vocal Track

Degree

BM: Bachelor of Music

CIP Code

500901

Specialization Level

Undergraduate

Department

Music

College

College of Humanities and Fine Arts

Specialization Type

Area

Accreditations

National Association of Schools of Art and Design (NASAD)

Graduation Requirements

Admission to this degree program is conditional for the first year. Continuation in the program is dependent upon the advice of the applied lessons teacher and departmental chair after assessment of performance talent, achievement, and general musicianship.

Six successful semesters of MUS 101 are required. To successfully complete the course each semester the student must gain credit for 10 approved recitals and have no more than one absence from required assembly programs.

Applied music is studied at two or three credits in the first two semesters and three credits in semesters three through eight. Periodic jury and proficiency examinations are required. A half-recital (MUS 398) is required in the junior year and a full recital (MUS 498) is required in the senior year.

All students in the performance Track of the B.M. degree must pass the Functional Keyboard IV competency exam followed by two credit hours of applied secondary study. Students are advised into the correct section of Functional Keyboard according to demonstrated ability and achievement.

Specifically Required University Studies

- Completed at least 6 credits from the following types of courses:
  Global language courses (single language), attaining a 202-level proficiency

Grand Total Credits: **6**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - MUS100T - Transitions (1)
    - MUS101 - Recital Attendance and Assembly (0)
  - Earned at least 2 credits from the following:
    - MUS117 - Piano Level I (1 - 4)
  - Earned at least 4 credits from the following:
    - MUS119 - Voice Level I (1 - 4)
  - Completed the following:
    - MUS170 - Theory I (3)
    - MUS171 - Aural Skills I (1)
    - MUS172 - Functional Keyboard I (1)
    - MUS173 - Theory II (3)
    - MUS174 - Aural Skills II (1)
    - MUS175 - Functional Keyboard II (1)
  - Earned at least credits from the following:
    - MUS219 - Voice Level II (1 - 4)
  - Completed the following:
    - MUS225 - English and German Diction for Singers (1)
    - MUS226 - French and Italian Diction for Singers (1)
    - MUS270 - Theory III (3)
    - MUS271 - Aural Skills III (1)
    - MUS272 - Functional Keyboard III (1)
    - MUS273 - Theory IV (3)
    - MUS274 - Aural Skills IV (1)
    - MUS275 - Functional Keyboard IV (1)
  - Earned at least credits from the following:
    - MUS319 - Voice Level III (1 - 4)
  - Completed the following:
    - MUS323 - Basic Conducting (2)
    - MUS381 - Music History and Literature I (3)
    - MUS382 - Music History and Literature II (3)
    - MUS383 - Music History and Literature III (3)
    - MUS392 - Professional Engagement (1)
    - MUS396 - Repertoire/Pedagogy (2)
    - MUS398 - Junior Recital (0)
  - Earned at least credits from the following:
    - MUS419 - Voice Level IV (1 - 4)
  - Completed the following:
    - MUS496 - Repertoire/Pedagogy (2)
    - MUS498 - Senior Recital (0)
    - MUS511 - Analysis of Contemporary Music (3)
    - MUS513 - Form and Analysis (3)
  - Ensembles:
  - Completed at least 8 credits from the following types of courses:
    Students are required to participate in a major ensemble involving their primary instrument concurrent with every semester of applied music study. Major ensembles include Symphonic Band, Wind Ensemble, University Orchestra, Concert Band, University Chorale, Concert Choir, Women’s Chorus, and Racer Men’s Chorus. Some performance areas have more specific requirements. Students should consult their advisors and applied lesson teachers for detailed requirements.

- Electives:
- Earned at least 6 credits from the following:
  - MUS106 - Music in Film (3)
  - MUS107 - Introduction to the American Musical Theatre (3)
  - MUS108 - Introduction to World Music (3)
  - MUS140 - Introduction to Composition (3)
  - MUS230 - Introduction to the Music Industry (3)
  - MUS241 - Composition Level I (1 - 3)
  - MUS313 - Introduction to Music Synthesis (1)
  - MUS327 - Arranging Techniques (2)
  - MUS334 - Artist Management and Development (3)
  - MUS337 - Recording Techniques I (3)
  - MUS338 - Recording Techniques II (3)
  - MUS423 - Instrumental Conducting (2)
  - MUS424 - Choral Conducting (2)
  - MUS431 - Special Topics I (3)
  - MUS459 - Advanced Music History and Literature (3)
  - MUS530 - Special Topics (3)

Grand Total Credits: **65**

Minimum Credential Hours

120

Specialization Contact Information

Department of Music 504 Price Doyle Fine Arts Center (270) 809-4288

Default Advisor

L. Unrau-Terry

Music (Minor)

Program Name

Music

Degree

Minor

Program Level

Undergraduate

Department

Music

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

This minor requires 25 hours.

300-level applied study may be taken once the 200-level proficiency has been passed.

Students must meet course prerequisites or have permission of the instructor if there is a prerequisite. Elective applied study is dependent upon studio space.

At least six hours must be upper-level courses completed at Murray State.

Students must earn a minimum grade of *C* to progress in all sequence courses.

Applied Lessons: Students study for four consecutive semesters with concurrent appropriate ensemble participation. Enrollment in MUS 170 at the earliest offering of the course or prior to completion of MUS 170 is required for enrollment in applied music study. Piano students with keyboard background may challenge one or both of the functional keyboarding classes.

Ensembles: Students are required to participate in an ensemble involving their primary instrument concurrent with every semester of applied music study. Four semesters is the minimum requirement for a minor. Students should take two semesters of ensembles at the 100-level and two semesters of ensembles at the 300-level. Some performance areas have more specific requirements. Students should consult their advisors and applied lesson teachers for detailed requirements.

Program Requirements

- Complete all of the following
  - Completed the following:
    - MUS105 - Introduction to Music History (3)
    - MUS170 - Theory I (3)
    - MUS171 - Aural Skills I (1)
    - MUS172 - Functional Keyboard I (1)
    - MUS173 - Theory II (3)
    - MUS174 - Aural Skills II (1)
    - MUS175 - Functional Keyboard II (1)
  - Completed at least 2 courses from MUS 114 - 119
  - Completed at least 2 courses from MUS 214 - 219
  - Earned at least 4 credits from 300 - 499

Grand Total Credits: **17**

Minimum Credential Hours

21

Program Contact Information

Department of Music 504 Price Doyle Fine Arts Center (270) 809-4288

Default Advisor

Dept Chair

Music Business (BS: Bachelor of Science)

Program Name

Music Business

Degree

BS: Bachelor of Science

CIP Code

501003

Program Level

Undergraduate

Department

Music

College

College of Humanities and Fine Arts

Undergraduate Program Type

Major

Accreditations

National Association of Schools of Music (NASM)

Description

Requirements for Admission

Students wishing to pursue the Music Business major will be admitted initially to the degree program when they have taken MUS 109 and MUS 230 and have a *B* or better in each, plus at least a 2.5 overall GPA. To be admitted to candidacy (400-level Music Business courses including internships), students must have at least at 2.5 GPA overall and must have successfully completed MUS 332 and 333.

Graduation Requirements

Must declare a minor from the following: Recording Techniques, Business Administration, Fine Arts, Arts Administration, Accounting, Marketing, Management, Mass Communications, Advertising, Business Economics, Economics, Entrepreneurship, Finance, Graphic Communication Technology, Legal Studies, Organizational Communication, Data Analytics

(1) Four successful semesters of MUS 101 are required.

(2) Music Business students must take and pass four consecutive semesters of study on one instrument at one credit per semester. Students have two options to satisfy this requirement. They may take and pass two semesters of group/class instrumental or vocal study, when available, followed by two semesters of 100-level lessons, or, with the consent of the applied instructor, may take and pass two semesters of 100-level lessons followed by two semesters of 200-level lessons to fulfill this requirement.

(3) Music Business majors take four semesters of ensembles, two at the 100-level and two at the 300-level. Additional semesters of applied study require participation in an ensemble concurrent with each extra semester of applied study.

(4) MUS 488 and 489 require admission to candidacy in the program. These courses are offered on a two-year rotation. Please consult with the program director for the sequence.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - MUS105 - Introduction to Music History (3)
    - ECO230 - Macroeconomics (3)
    - ECO231 - Microeconomics (3)
  - Completed at least 1 of the following:
    - MUS104 - Introduction to Jazz History (3)
    - MUS106 - Music in Film (3)
    - MUS107 - Introduction to the American Musical Theatre (3)
    - MUS108 - Introduction to World Music (3)

Grand Total Credits: **12**

Program Requirements

- Complete all of the following
  - Completed the following:
    - MUS100T - Transitions (1)
    - MUS101 - Recital Attendance and Assembly (0)
    - MUS109 - Musicianship I: Music Fundamentals (3)
    - MUS110 - Musicianship II (3)
  - Earned at least 2 credits from MUS 114 - 119
  - Complete all of the following
    - Completed the following:
      - MUS120 - Beginning Guitar (1)
      - MUS121 - Intermediate Guitar (1)
    - Completed the following:
      - MUS127 - Class Voice I (1)
      - MUS128 - Class Voice II (1)
  - Completed the following:
    - MUS124 - Beginning Class Piano I (1)
    - MUS125 - Beginning Class Piano II (1)
  - Completed at least 2 courses from MUS 150 - 164
  - Completed the following:
    - MUS230 - Introduction to the Music Industry (3)
    - MUS231 - History and Analysis of American Popular Music (3)
    - MUS332 - Marketing in the Music Business (3)
    - MUS333 - Live Performance and Concert Promotion (3)
    - MUS334 - Artist Management and Development (3)
    - MUS335 - Copyright Law and Legal Issues in the Music Business (3)
  - Completed at least 2 courses from 350 - 364
  - Completed the following:
    - MUS433 - History of the Music Industry (3)
    - MUS434 - The Digital Revolution and the Music Industry (3)
    - MUS488 - Cooperative Education/Internship (1 - 3)
    - MUS489 - Coop Ed/Internship (1 - 3)
  - Co-Requirements:
  - Completed the following:
    - JMC391 - Public Relations Principles (3)
    - JMC394 - Introduction to Advertising (3)
    - MGT358 - Entrepreneurial Business Plan Development (3)
  - Completed at least 21 credits from the following types of courses:
    Required minor (select minor from the list provided; see Graduation Requirements section).

Grand Total Credits: **71 - 75**

Minimum Credential Hours

120

Program Contact Information

Department of Music 504 Price Doyle Fine Arts Center (270) 809-4288

Default Advisor

K. Kane

Music Education (MME: Master of Music Education)

Program Name

Music Education

Degree

MME: Master of Music Education

CIP Code

131312

Program Level

Graduate

Department

Music

College

College of Humanities and Fine Arts

Graduate Program Type

Graduate Degree

Accreditations

National Association of Schools of Music (NASM)

Description

The Master of Music Education (M.M.E.) curriculum is a hybrid delivery program planned to:
• promote depth in critical thinking and analysis, resulting in the formulation of a personal philosophy of music education and an arts advocacy position;
• provide awareness of current issues in music, education, and the profession of teaching music at all levels;
• prepare students to assume leadership in music program administration through curriculum development aligned with state and national standards in the arts;
• refine and extend knowledge and skills in music: its history, composition, performance, pedagogy, and cultural values;
• provide opportunities for students to explore and apply technology as a tool for teaching music; and
• create networks among music professionals and assist the transition from intern teacher to mentor teacher and cooperating teacher.

Requirements for Admission

Applicants must meet the Murray State University requirements (see *Graduate Admissions*). For non-native speakers of English, a TOEFL score of 20 for each section of the iBT, an IELTS score of 6.5 with no band lower than 6.0, or a previous degree earned from an accredited U.S. institution. Each student who wishes to be considered for unconditional admission to graduate study leading to the Master of Music Education degree must have the following additional qualifications:
• an undergraduate music major, or the equivalent, with teacher certification.

Graduation Requirements

Each candidate's program is individually arranged with approval of the graduate coordinator in the Department of Music. The program is in accord with requirements for the Kentucky Certificate for Teaching Music Grades K-12 and includes a 12-semester-hour specialization component. The program may be completed in four semesters. Two summer terms are required.

Other Degree Requirements
Comprehensive examinations over all music and music education course work will be administered upon completion of all music course work and at least 24 hours of total course work. The student must complete the Application for Comprehensive Examination form and pay all required fees before the comprehensive examination is administered.

Additional Requirements
During the first semester of course work the student, in consultation with the graduate advisor, must list chosen courses from the 30-hour curriculum on the *Graduate Program form* supplied by Graduate Admissions and Records. Thereafter, any changes in this program must be accompanied by a Change of Program form in consultation with the graduate advisor.

Program Requirements

- Complete 1 of the following
  - Complete all of the following
    - Thesis Requirements:
    - Professional Education Courses:
    - Completed the following:
      - MUS600 - Historical and Philosophical Foundations of Music Education (3)
      - MUS601 - Psychological Foundations of Music Education (3)
      - MUS602 - Curriculum and Assessment in Music (3)
      - MUS639 - Methods of Research in Music Education (3)
    - Specialization Component:
    - Completed the following:
      - MUS610 - Advanced Music Theory and Analysis (3)
      - MUS629 - Contemporary Instructional Practices in Music Education (3)
      - MUS642 - Seminar in Music Teaching (3)
      - MUS659 - Advanced Music History and Literature (3)
    - Thesis:
    - Earned at least 6 credits from the following:
      - MUS698 - Music Thesis I (3)
      - MUS699 - Music Thesis II (3)
  - Complete all of the following
    - Non-Thesis Requirements:
    - Professional Education Courses:
    - Completed the following:
      - MUS600 - Historical and Philosophical Foundations of Music Education (3)
      - MUS601 - Psychological Foundations of Music Education (3)
      - MUS602 - Curriculum and Assessment in Music (3)
      - MUS639 - Methods of Research in Music Education (3)
    - Specialization Component:
    - Completed the following:
      - MUS610 - Advanced Music Theory and Analysis (3)
      - MUS629 - Contemporary Instructional Practices in Music Education (3)
      - MUS642 - Seminar in Music Teaching (3)
      - MUS659 - Advanced Music History and Literature (3)
    - Non-Thesis:
    - Completed at least 6 credits from the following types of courses:
      Approved MUS electives, 600-level

Grand Total Credits: **30**

Minimum Credential Hours

30

Program Contact Information

Department of Music 504 Price Doyle Fine Arts Center (270) 809-4288

Default Advisor

L. Unrau-Terry

Music Theatre (Minor)

Program Name

Music Theatre

Degree

Minor

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - MUS107 - Introduction to the American Musical Theatre (3)
    - MUS109 - Musicianship I: Music Fundamentals (3)
    - MUS110 - Musicianship II (3)
    - MUS124 - Beginning Class Piano I (1)
    - MUS125 - Beginning Class Piano II (1)
    - MUS127 - Class Voice I (1)
    - MUS128 - Class Voice II (1)
    - THD111 - Acting I (3)
    - THD360 - Music Theatre Dance II (3)
    - THD389 - Musical Theatre Performance I (3)
  - Complete 1 of the following
    - Completed the following:
      - MUS164 - Opera Workshop (1)
      - MUS364 - Opera Workshop (1 - 2)
    - Earned at least 2 credits from the following:
      - THD106 - Theatre Production Practicum (1)

Grand Total Credits: **24 - 25**

Minimum Credential Hours

21

Program Contact Information

Department of Global Languages and Theatre Arts 106 Fine Arts Building (270) 809-4421

Default Advisor

Dept Chair

Peace Studies (Minor)

Program Name

Peace Studies

Degree

Minor

Program Level

Undergraduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Only one course from PHI 315 and PHI 383 may count toward the minor.

Program Requirements

- Complete all of the following
  - Completed the following:
    - POL250 - Introduction International Relations (3)
    - POL465 - War and International Security (3)
    - POL469 - Terrorism, Insurgency, and Counterterrorism (3)
  - Earned at least 12 credits from the following:
    - HIS106 - Revolutions and World History (3)
    - HIS108 - The Holocaust (3)
    - HIS333 - Military History of the United States (3)
    - HIS456 - The Arab-Israeli Conflict (3)
    - HIS459 - Genocide in World History (3)
    - NLS305 - Giving, Philanthropy and Grant-making (3)
    - PHI315 - Social and Political Philosophy (3)
    - PHI383 - Philosophy of Diversity (3)
    - POL449 - Human Rights (3)
    - POL456 - American Foreign Policy (3)
    - POL457 - International Law and Organizations (3)
    - SOC432 - Social Movements and Protests (3)
    - SWK505 - Peacebuilding and the Helping Professions (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

Dept Chair

Philosophy (Minor)

Program Name

Philosophy

Degree

Minor

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - PHI201 - Introduction to Philosophy (3)
  - Completed at least 1 of the following:
    - PHI103 - Critical Thinking (3)
    - PHI184 - Logic, Language, and Truth (3)
  - Completed at least 1 of the following:
    - PHI331 - History of Philosophy: Belief, Science, and Knowledge (3)
    - PHI332 - History of Philosophy: Eastern Philosophy (3)
    - PHI333 - History of Philosophy: Faith and the Divine (3)
    - PHI334 - History of Philosophy: Individuals, Community, the State (3)
    - PHI335 - History of Philosophy: Mind and Reality (3)
  - Earned at least 3 credits from PHI 300 - 599
  - Earned at least 9 credits from PHI

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

Dept Chair

Political Science (Minor)

Program Name

Political Science

Degree

Minor

Program Level

Undergraduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Only three hours are allowed from POL 488, 489, and 495.

A minimum grade of *C* is ENG 105 and POL 140 is required of all students minoring in political science.

No substitutions shall be made in the minor without the written approval of the department chair.

Program Requirements

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - POL140 - American National Government (3)
  - Completed the following:
    - POL250 - Introduction International Relations (3)
    - POL252 - Introduction to Comparative Politics (3)
    - POL261 - Introduction to Political Theory (3)
  - Earned at least 12 credits from POL 300 - 499

Grand Total Credits: **24**

Minimum Credential Hours

21

Program Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

Dept Chair

Political Science (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Political Science

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

451001

Program Level

Undergraduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Undergraduate Program Type

Major

Graduation Requirements

Note: See required courses below before selecting University Studies elective courses. A minimum grade of *C* is required in ENG 105 and POL 140.

Specifically Required University Studies

- Completed the following:
  - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **4**

Program Requirements

- Complete all of the following
  - Completed the following:
    - POL100T - Transitions (1)
  - Earned a minimum grade of C in each of the following:
    - POL140 - American National Government (3)
  - Completed the following:
    - POL240 - State and Local Politics (3)
    - POL250 - Introduction International Relations (3)
    - POL252 - Introduction to Comparative Politics (3)
    - POL261 - Introduction to Political Theory (3)
    - POL359 - Writing and Inquiry in the Social Sciences (3)
    - POL360 - Research Methods (3)
    - POL499 - Senior Seminar Political Science (3)
  - Required Limited Electives:
  - Completed at least 15 credits from the following types of courses:
    Any POL course numbered between 300-499. Note: Only six hours of credit toward the major may be received for POL 488, 489, or 495.
  - Completed at least 21 credits from the following types of courses:
    Required Minor

Grand Total Credits: **61**

Minimum Credential Hours

120

Program Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

J. Seib

Political Science (BA/BS: Bachelor of Arts or Bachelor of Science) - Political Science/Pre-Professional Legal Studies Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Political Science (BA/BS: Bachelor of Arts or Bachelor of Science) - Political Science/Pre-Professional Legal Studies Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

451001

Specialization Level

Undergraduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Specialization Type

Area

Specifically Required University Studies

- Completed the following:
  - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **4**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - POL100T - Transitions (1)
  - Completed at least 1 of the following:
    - POL140 - American National Government (3)
    - HON140 - Honors Seminar in American National Government (3)
  - Completed the following:
    - POL240 - State and Local Politics (3)
  - Completed at least 1 of the following:
    - POL250 - Introduction International Relations (3)
    - HON270 - Honors Seminar in International Relations (3)
  - Completed at least 1 of the following:
    - POL252 - Introduction to Comparative Politics (3)

        - HON272 - Honors Seminar in Comparative Politics (3)
    - Completed the following:
        - POL261 - Introduction to Political Theory (3)
        - POL359 - Writing and Inquiry in the Social Sciences (3)
        - POL360 - Research Methods (3)
        - POL499 - Senior Seminar Political Science (3)
    - Pre-Professional Legal Studies Courses:
    - Completed the following:
        - LST240 - The Legal Environment of Business (3)
        - LST300 - Introduction to Legal Research (3)
        - LST340 - Immigration Law (3)
        - LST457 - International Law and Organizations (3)
        - POL441 - Legislative Process (3)
        - POL444 - Judicial Process (3)
        - POL445 - Constitutional Law I: Developments and Trends (3)
        - POL447 - Constitutional Law II: Civil Liberties and Civil Rights (3)
    - Required Limited Electives: Note: At least 12 hours must be at the 300-level or above. Only one course from PHI 103 and 203 will count toward this requirement.
    - Earned at least 18 credits from the following:
        - COM367 - Communication and Critical Thought (3)
        - CRJ140 - Introduction to Criminal Justice (3)
        - CRJ544 - Constitutional and Legal Issues in Criminal Justice (3)
        - ENG226 - Argument and Discourse (3)
        - HIS176 - History of the United States Constitution (3)
        - LST242 - Real Estate Law (3)
        - LST250 - Mock Trial (3)
        - LST320 - Family Law (3)
        - LST350 - Legal Services for the Elderly (3)
        - LST370 - Law and Literature (3)
        - LST400 - Litigation and Trial Practice (3)
        - LST430 - Trusts and Estates (3)
        - LST446 - Criminal Law (3)
        - LST476 - Law in Public Administration (3)
        - LST480 - Topical Seminar in Legal Studies (3)
        - LST482 - Land Use and Planning Law (3)
        - LST485 - Local Government Law (3)
        - LST488 - Cooperative Education/Internship (1 - 3)
        - LST489 - Cooperative Education/Internship (1 - 3)
        - LST495 - Special Problems (1 - 3)
        - PHI103 - Critical Thinking (3)
        - PHI203 - Symbolic Logic (3)
        - POL442 - Government and Business (3)
        - PSY245 - Law and Psychology (3)
        - SOC338 - Criminology (3)
        - SOC438 - Sociology of Deviant Behavior (3)
        - SOC440 - Sociology of Corporate and Political Deviance (3)
        - SOC441 - Sociology of Youth Violence (3)
        - SOC442 - Law and Society (3)
        - SOC445 - Media and Crime (3)

Grand Total Credits: **67**

Minimum Credential Hours

120

Specialization Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

J. Seib

Political Science (BA/BS: Bachelor of Arts or Bachelor of Science) - Political Science/Social Studies Certification (Grades 8-12) Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Political Science (BA/BS: Bachelor of Arts or Bachelor of Science) - Political Science/Social Studies Certification (Grades 8-12) Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

451001

Specialization Level

Undergraduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Specialization Type

Area

Description

The BA degree option is required unless specifically exempted by the department chair.

Graduation Requirements

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, a public speaking course, and HUM 180 or equivalent course. Additional requirements for admission to teacher education and student teaching must be met. Students should see their academic advisor or the Office of Teacher Education Services for details.

EDU 405 and SEC 420 must be taken together two semesters before student teaching.

Specifically Required University Studies

- Completed the following:
  - SOC133 - Introduction to Sociology (3)
  - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **7**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - POL100T - Transitions (1)
    - POL140 - American National Government (3)
    - POL240 - State and Local Politics (3)
    - POL250 - Introduction International Relations (3)
    - POL252 - Introduction to Comparative Politics (3)
    - POL261 - Introduction to Political Theory (3)
    - POL359 - Writing and Inquiry in the Social Sciences (3)
    - POL360 - Research Methods (3)
    - POL499 - Senior Seminar Political Science (3)
  - Required Limited Electives:
  - Completed the following:
    - ECO231 - Microeconomics (3)
    - EES110 - World Geography (3)
    - HIS361 - Teaching History (3)
  - Completed at least 1 of the following:
    - HIS221 - American Experience to 1865 (3)
    - HIS222 - American Experience Since 1865 (3)
  - Completed at least 1 of the following:
    - HIS201 - Making of Europe, 1500 to the Present (3)
    - CIV201 - World Civilizations I (3)
    - CIV202 - World Civilizations II (3)
  - (Whichever was not taken as a University Studies requirement.)
  - Required POL Electives:
  - Earned at least 9 credits from POL 300 - 499
  - Required for Secondary Certification:
  - Completed the following:
    - EDU280 - Educating for Human Development (3)
    - EDU485 - Professional Perspectives for Teaching (1)
    - HUM380 - Inclusive Teaching of Diverse Learners in Humanities (3)
    - SEC420 - Practicum in Secondary Schools (3)
    - SEC421 - Student Teaching in the Secondary School (7 - 14)
    - SEC422 - Extended Practicum (4)
  - Earned a minimum grade of B in each of the following:
    - HUM180 - Explore Teaching in the Humanities (3)

Grand Total Credits: **73 - 80**

Minimum Credential Hours

120

Specialization Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

J. Seib

Popular Culture (Minor)

Program Name

Popular Culture

Degree

Minor

Program Level

Undergraduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - SOC133 - Introduction to Sociology (3)
    - SOC269 - Popular Culture (3)
  - Earned at least 15 credits from the following:
    - ART121 - Art and Visual Culture (3)
    - ENG213 - Film and Literature (3)
    - ENG313 - History of the Cinema (3)
    - ENG314 - Shakespeare on Film (3)
    - ENG315 - Global Cinema (3)
    - ENG400 - Major Film Directors (3)
    - ENG401 - Film Theory and Criticism (3)
    - ENG410 - Contemporary American Literature (3)
    - HIS105 - History of Fashion (3)
    - HIS352 - 20th Century World (3)
    - HIS436 - Recent America (3)
    - MUS107 - Introduction to the American Musical Theatre (3)
    - POL344 - Media and Politics (3)
    - SOC325 - Sociology of Food (3)
    - SOC355 - Sociology of Gender (3)
    - SOC380 - Society and Technology (3)
    - SOC430 - American Culture (3)
    - SPA315 - Global Cinema in Spanish (3)
    - THD422 - Contemporary Theatre (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

Dept Chair

Portuguese Language and Culture (CERT: Certificate)

Program Name

Portuguese Language and Culture

Degree

CERT: Certificate

CIP Code

160904

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Certificate

Program Requirements

- Completed the following:
  - POR101 - Fundamental Communication in Portuguese (3)
  - POR102 - Social Interactions in Portuguese (3)
  - POR201 - Intercultural Communication in Portuguese (3)
  - POR202 - Practical Applications in Portuguese (3)
  - POR301 - Conversation and Composition in Portuguese (3)

Grand Total Credits: **15**

Minimum Credential Hours

15

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

R. Fritz

Professional Writing (Minor)

Program Name

Professional Writing

Degree

Minor

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ENG226 - Argument and Discourse (3)
    - ENG324 - Technical Writing (3)
  - Completed at least 5 of the following:
    - BUS215 - Business Communication (3)
    - CSC125 - Internet and Web Page Design (3)
    - ENG204 - Advanced Expository Writing (3)
    - ENG214 - Introduction to Creative Writing (3)
    - ENG224 - Writing in the Professions (3)
    - ENG228 - Standard English Usage (3)
    - ENG322 - Rhetorical and Professional Writing (3)
    - ENG325 - Professional Document Design (3)
    - ENG327 - Writing Proposals and Grants (3)
    - ENG331 - Traditional Rhetoric and the Written Argument (3)
    - ENG332 - Contemporary Rhetoric and the Written Argument (3)
    - ENG353 - Writing for the Web (3)
    - ENG404 - Advanced Composition (3)
    - GCM152 - Introduction to Digital Imaging (3)
    - JMC194 - Newswriting (3)
    - JMC304 - Multimedia Writing (3)
    - JMC305 - News Editing (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

Dept Chair

Psychology (Minor)

Program Name

Psychology

Degree

Minor

Program Level

Undergraduate

Department

Psychology

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Twelve hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - PSY180 - General Psychology (3)
  - Earned at least 18 credits from PSY

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Psychology 212A Wells Hall (270) 809-2851

Default Advisor

Dept Chair

Psychology (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Psychology

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

422799

Program Level

Undergraduate

Department

Psychology

College

College of Humanities and Fine Arts

Undergraduate Program Type

Major

Graduation Requirements

Students may use PSY 402, 403, 408, or 487 as a restricted elective if not taken as a required course.

Specifically Required University Studies

- Completed at least 1 of the following:
  - BIO101 - Biological Concepts (4)
  - BIO221 - Zoology: Animal Form and Function (4)

Grand Total Credits: **4**

Program Requirements

- Complete all of the following
  - Completed the following:
    - PSY100T - Transitions (1)
    - PSY180 - General Psychology (3)
    - PSY260 - Lifespan Development (3)
    - PSY300 - Principles and Methods of Statistical Analysis (3)
    - PSY301 - Principles and Methods of Psychological Research I (3)
    - PSY303 - Social Psychology (3)
    - PSY307 - Abnormal Psychology (3)
    - PSY315 - Principles and Methods of Psychological Research II (3)
    - PSY414 - Psychology of Learning and Memory (3)
    - PSY415 - Physiological Psychology (3)
  - Completed at least 1 of the following:
    - PSY402 - Senior Seminar in Psychology (3)
    - PSY403 - History and Systems of Psychology (3)
    - PSY408 - Applied Research Design and Analysis (3)
    - PSY460 - Directed Individual Study II (3)
    - PSY487 - Internship (3)
    - PSY499 - Senior Thesis (3)
  - Required Limited Electives:
  - Earned at least 9 credits from the following:
    - PSY190 - Research Skills for Psychology (1 - 3)
    - PSY199 - Developing Psychological Skills (1)
    - PSY210 - Career Planning Seminar (3)
    - PSY221 - Psychology of Human Sexuality (3)
    - PSY222 - Sport Psychology (3)
    - PSY223 - Psychology of Sport Fans (3)
    - PSY228 - Close Relationships (3)
    - PSY229 - Psychology of Social Influence (3)
    - PSY245 - Law and Psychology (3)
    - PSY261 - Child Psychology (3)
    - PSY262 - Adolescent Psychology (3)
    - PSY264 - Psychology of Aging (3)
    - PSY265 - Psychology of Death (3)
    - PSY302 - Topical Seminar (3)
    - PSY310 - Health Psychology (3)
    - PSY321 - Sensation and Perception (3)
    - PSY322 - Motivation and Emotion (3)
    - PSY324 - Cross-Cultural Psychology (3)
    - PSY325 - Introduction to Clinical Psychology (3)

        - PSY326 - Psychology of Language (3)
        - PSY327 - Problem-Solving and Decision-Making (3)
        - PSY331 - Experimental Analysis of Behavior (3)
        - PSY332 - Behavioral Measurement and Assessment (3)
        - PSY333 - Applied Behavior Analysis (3)
        - PSY334 - Behavioral Approaches to Autism Spectrum Disorder (3)
        - PSY335 - Seminar in Ethics and Supervision in Behavior Analysis (3)
        - PSY360 - Directed Individual Study (1 - 3)
        - PSY373 - Psychology of Consumer Behavior (3)
        - PSY390 - Animal Behavior (3)
        - PSY402 - Senior Seminar in Psychology (3)
        - PSY403 - History and Systems of Psychology (3)
        - PSY404 - Drugs, Alcohol and Behavior (3)
        - PSY405 - Industrial and Organizational Psychology (3)
        - PSY406 - Personality (3)
        - PSY408 - Applied Research Design and Analysis (3)
        - PSY471 - Behavior Modification (3)
        - PSY487 - Internship (3)
    - Completed at least 21 credits from the following types of courses:
      Required Minor

Grand Total Credits: **61**

Minimum Credential Hours

120

Program Contact Information

Department of Psychology 212A Wells Hall (270) 809-2851

Default Advisor

P. Waddill

Psychology (BA/BS: Bachelor of Arts or Bachelor of Science) - Psychology/Applied Behavior Analysis Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Psychology (BA/BS: Bachelor of Arts or Bachelor of Science) - Psychology/Applied Behavior Analysis Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

422799

Specialization Level

Undergraduate

Department

Psychology

College

College of Humanities and Fine Arts

Specialization Type

Major

Specifically Required University Studies

- Completed at least 1 of the following:
  - BIO101 - Biological Concepts (4)
  - BIO221 - Zoology: Animal Form and Function (4)

Grand Total Credits: **4**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - PSY100T - Transitions (1)
    - PSY180 - General Psychology (3)
    - PSY260 - Lifespan Development (3)
    - PSY300 - Principles and Methods of Statistical Analysis (3)
    - PSY301 - Principles and Methods of Psychological Research I (3)
    - PSY303 - Social Psychology (3)
    - PSY307 - Abnormal Psychology (3)
    - PSY315 - Principles and Methods of Psychological Research II (3)
    - PSY414 - Psychology of Learning and Memory (3)
    - PSY415 - Physiological Psychology (3)
  - Completed at least 1 of the following:
    - PSY402 - Senior Seminar in Psychology (3)
    - PSY403 - History and Systems of Psychology (3)
    - PSY408 - Applied Research Design and Analysis (3)
    - PSY460 - Directed Individual Study II (3)
    - PSY487 - Internship (3)
    - PSY499 - Senior Thesis (3)
  - Applied Behavior Analysis Track:
  - Completed the following:
    - PSY331 - Experimental Analysis of Behavior (3)
    - PSY332 - Behavioral Measurement and Assessment (3)
    - PSY333 - Applied Behavior Analysis (3)
    - PSY334 - Behavioral Approaches to Autism Spectrum Disorder (3)
    - PSY335 - Seminar in Ethics and Supervision in Behavior Analysis (3)
  - Completed at least 21 credits from the following types of courses:
    Required Minor

Grand Total Credits: **67**

Minimum Credential Hours

120

Specialization Contact Information

Department of Psychology 212A Wells Hall (270) 809-2851

Default Advisor

P. Waddill

Public Administration (MPA: Master of Public Administration)

Program Name

Public Administration

Degree

MPA: Master of Public Administration

CIP Code

440401

Program Level

Graduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Graduate Program Type

Graduate Degree

Description

The Master of Public Administration (M.P.A.) degree program prepares students for careers as administrators in public service organizations. The program provides in-service personnel an opportunity to refine their administrative skills; it also provides individuals seeking positions (pre-service) an opportunity to develop administrative skills.

The program has two components:

a) 21 hours or seven required core courses that provide a general foundation in public administration and

b) 15 hours of courses (usually five courses, three-credit hours each) that may be selected to develop an area of concentration.

The graduate courses taught by the Department of Political Science and Sociology support other graduate programs at Murray State University.

Requirements for Admission

Applicants must meet Murray State University requirements (see *Graduate Admissions*). Additional requirements for unconditional and conditional admission are as follows:

Unconditional

To qualify for unconditional admission, an applicant must have:

• an undergraduate major in political science, other social science or business, or substantial background in relevant disciplines;
• a grade point average of 2.75 (on a 4.00 scale);
• students whose native language is not English must present a minimum TOEFL score of 550 on the paper-based test or an overall score of 79 on the internet-based test (iBT), with no score on the writing, listening, and reading sections below 16, or an overall score of 6.0 on the IELTS, with no score on any band below 5.0.

Conditional

For conditional admission, an applicant may have:

• a grade point average between 2.25 and 2.74 (on a 4.00 scale) or
• an overall grade point average of 2.0 to 2.24 if the student’s experience is evaluated by the director and faculty of the M.P.A. program as indicating the likelihood of success;
• students whose native language is not English must present a minimum TOEFL score of 550 on the paper-based test or an overall score of 79 on the internet-based test (iBT), with no score on the writing, listening, and reading sections below 16, or an overall score of 6.0 on the IELTS, with no score on any band below 5.0.

Graduation Requirements

NOTE: A maximum of 12 hours of relevant graduate courses with a minimum grade of *B* may be transferred from a regionally accredited university for credit in the M.P.A. program. No more than nine hours of comparable courses may be transferred into the core as evaluated by the M.P.A. director. Official transferral of this credit shall take place after the successful completion of nine hours of graduate work at Murray State.

Program Requirements

- Complete all of the following
  - Completed the following:
    - POL660 - Research Methods (3)
    - POL670 - Foundations of Public Administration (3)
    - POL671 - Public Policy Analysis (3)
    - POL673 - Public Budgeting and Finance (3)
    - POL674 - Public Organizations (3)
    - POL681 - Public Sector Human Resource Management (3)
    - POL685 - Public Administration Capstone (3)
  - Completed at least 15 credits from the following types of courses:
    Graduate Electives: A student may take up to 15 hours of graduate electives from outside the Department of Political Science and Sociology to fulfill a specialized concentration or area of interest with the approval of the M.P.A. director

Grand Total Credits: **36**

Minimum Credential Hours

30

Program Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

J. Clinger

Public Administration (MPA: Master of Public Administration) - Public Administration/Economic Development Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Public Administration (MPA: Master of Public Administration) - Public Administration/Economic Development Concentration

Degree

MPA: Master of Public Administration

CIP Code

440401

Specialization Level

Graduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Description

The economic development concentration of the Master of Political Administration program is designed for public service professionals who intend to enter careers promoting economic development.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - POL660 - Research Methods (3)
    - POL670 - Foundations of Public Administration (3)
    - POL671 - Public Policy Analysis (3)
    - POL673 - Public Budgeting and Finance (3)
    - POL674 - Public Organizations (3)
    - POL681 - Public Sector Human Resource Management (3)
    - POL685 - Public Administration Capstone (3)
  - Economic Development:
  - Completed at least 3 of the following:
    - ECO610 - Introduction to Economic Development (3)
    - ECO611 - Economic Development Methods (3)
    - ECO655 - Cost Benefit Analysis (3)
    - FIN610 - Economic Development Finance (3)
  - Completed at least 2 of the following:
    - POL642 - Government and Business (3)
    - POL667 - Regulatory Policy and Politics (3)
    - POL672 - Public Planning and Evaluation (3)
    - POL677 - Local Government Administration (3)
    - POL678 - State and Regional Government, Politics and Administration (3)
    - POL682 - Land Use and Planning Law (3)

Grand Total Credits: **36**

Minimum Credential Hours

30

Specialization Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

J. Clinger

Public Administration (MPA: Master of Public Administration) - Public Administration/Health Administration Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Public Administration (MPA: Master of Public Administration) - Public Administration/Health Administration Concentration

Degree

MPA: Master of Public Administration

CIP Code

440401

Specialization Level

Graduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - POL660 - Research Methods (3)
    - POL670 - Foundations of Public Administration (3)
    - POL671 - Public Policy Analysis (3)
    - POL673 - Public Budgeting and Finance (3)
    - POL674 - Public Organizations (3)
    - POL681 - Public Sector Human Resource Management (3)
    - POL685 - Public Administration Capstone (3)
  - Health Administration:
  - Completed the following:
    - HIA601 - Overview of the Healthcare Delivery System (3)
    - HIS605 - Seminar in European History (3)
    - HIA610 - Healthcare Planning (3)
    - HIA615 - Financial Aspects of Health Service Organizations (3)
  - Completed at least 1 of the following:
    - POL648 - Health Policy (3)
    - HEA648 - Health Policy (3)
    - HIA701 - Healthcare Quality Management (3)

Grand Total Credits: **36**

Minimum Credential Hours

30

Specialization Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

J. Clinger

Public Administration (MPA: Master of Public Administration) - Public Administration/Nonprofit Organizations Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Public Administration (MPA: Master of Public Administration) - Public Administration/Nonprofit Organizations Concentration

Degree

MPA: Master of Public Administration

CIP Code

440401

Specialization Level

Graduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - POL660 - Research Methods (3)
    - POL670 - Foundations of Public Administration (3)
    - POL671 - Public Policy Analysis (3)
    - POL673 - Public Budgeting and Finance (3)
    - POL674 - Public Organizations (3)
    - POL681 - Public Sector Human Resource Management (3)
    - POL685 - Public Administration Capstone (3)
  - Nonprofit Organizations:
  - Completed the following:
    - NLS600 - The Nonprofit Sector and Civil Society (3)
  - Completed at least 3 of the following:
    - NLS602 - Financial Resource Management and Development (3)
    - NLS625 - Nonprofit Organization Development, Management, and Leadership (3)
    - NLS630 - Nonprofit Organizations and Community Development: Comprehensive Strategies for Impact (3)
    - NLS665 - Policy, Legal Issues, and Advocacy for Social Change in Nonprofit Organizations (3)
    - NLS675 - Social Entrepreneurship (3)
  - Completed at least 1 of the following:
    - POL639 - Public Sector Leadership (3)
    - POL668 - Ethics in Public Administration (3)

Grand Total Credits: **36**

Minimum Credential Hours

30

Specialization Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

J. Clinger

Public Administration (MPA: Master of Public Administration) - Public Administration/Public Management Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Public Administration (MPA: Master of Public Administration) - Public Administration/Public Management Concentration

Degree

MPA: Master of Public Administration

CIP Code

440401

Specialization Level

Graduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - POL660 - Research Methods (3)
    - POL670 - Foundations of Public Administration (3)
    - POL671 - Public Policy Analysis (3)
    - POL673 - Public Budgeting and Finance (3)
    - POL674 - Public Organizations (3)
    - POL681 - Public Sector Human Resource Management (3)
    - POL685 - Public Administration Capstone (3)
  - Public Management:
  - Completed at least 5 of the following:
    - POL639 - Public Sector Leadership (3)
    - POL659 - Intergovernmental Relations (3)
    - POL668 - Ethics in Public Administration (3)
    - POL672 - Public Planning and Evaluation (3)
    - POL677 - Local Government Administration (3)
    - POL678 - State and Regional Government, Politics and Administration (3)
    - POL679 - Public Sector Labor Relations (3)
    - POL683 - Comparative Public Administration (3)
    - POL686 - Law in Public Administration (3)

Grand Total Credits: **36**

Minimum Credential Hours

30

Specialization Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

J. Clinger

Public Administration (MPA: Master of Public Administration) - Public Administration/Public and Community Health Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Public Administration (MPA: Master of Public Administration) - Public Administration/Public and Community Health Concentration

Degree

MPA: Master of Public Administration

CIP Code

440401

Specialization Level

Graduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - POL660 - Research Methods (3)
    - POL670 - Foundations of Public Administration (3)
    - POL671 - Public Policy Analysis (3)
    - POL673 - Public Budgeting and Finance (3)
    - POL674 - Public Organizations (3)
    - POL681 - Public Sector Human Resource Management (3)
    - POL685 - Public Administration Capstone (3)
  - Public and Community Health:
  - Completed the following:
    - HEA603 - Health Behavior (3)
    - HEA610 - Biostatistics in Public Health (3)
    - HEA611 - Epidemiology (3)
  - Completed at least 1 of the following:
    - HEA648 - Health Policy (3)
    - POL648 - Health Policy (3)
  - Completed at least 1 of the following:
    - HEA612 - Environmental Health: A Public Health Perspective (3)
    - HEA675 - Health Assessment and Evaluation (3)

Grand Total Credits: **36**

Minimum Credential Hours

30

Specialization Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

J. Clinger

Recording Techniques (Minor)

Program Name

Recording Techniques

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Music

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - MUS171 - Aural Skills I (1)
    - MUS174 - Aural Skills II (1)
    - MUS232 - Survey of Record Company Operations (3)
    - MUS243 - Making Music with Your Laptop (2)
    - MUS313 - Introduction to Music Synthesis (1)
    - MUS337 - Recording Techniques I (3)
    - MUS338 - Recording Techniques II (3)
    - MUS339 - Recording Techniques III (3)
    - MUS340 - Recording Techniques IV (3)
  - Completed at least 3 credits from the following types of courses: Upper-level Music Electives

Grand Total Credits: **23**

Minimum Credential Hours

21

Program Contact Information

Department of Music 504 Price Doyle Fine Arts Center (270) 809-4288

Default Advisor

Karen Kane

Religious Studies (Minor)

Program Name

Religious Studies

Degree

Minor

Program Level

Undergraduate

Department

History

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Nine hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - RGS200 - Introduction to Religious Studies (3)
  - Completed at least 1 of the following:
    - RGS221 - Philosophy of Religion (3)
    - RGS322 - History of Religion in the United States (3)
  - Earned at least 15 credits from the following:
    - ANT140 - Exploring World Cultures (3)
    - ANT329 - North American Indians (3)
    - ARC389 - Archaeology and Political Ecology of Empires (3)
    - ART211 - A Survey of Art from Antiquity to the Baroque (3)
    - ART213 - Art of Global Cultures (3)
    - ART316 - Medieval Art (3)
    - RGS251 - The Bible as Literature (3)
    - RGS252 - Literature and Religion (3)
    - RGS300 - Foundations of Judaism and Christianity (3)
    - RGS301 - Western Religious Thought in the Modern World (3)
    - RGS302 - Medieval Europe (3)
    - RGS306 - Europe in Renaissance and Reformation (3)
    - RGS309 - Survey of World Religions (3)
    - RGS322 - History of Religion in the United States (3)
    - RGS354 - Ancient Near East (3)
    - RGS355 - A Global History of Islam to 1800 (3)
    - RGS362 - Ancient Egypt (3)
    - RGS363 - Ancient Greece (3)
    - RGS364 - Ancient Rome (3)
    - RGS395 - Archaeology of Religion (3)
    - RGS400 - Seminar (3)
    - RGS410 - Directed Study (1 - 3)
    - RGS415 - Science and Religion (3)
    - RGS420 - Sociology of Religion (3)
    - RGS425 - Arts of Africa and Asia (3)
    - RGS449 - Islam in the Modern and Post-Modern World (3)
    - RGS459 - Genocide in World History (3)
    - RGS461 - Early Christianity (3)
    - SWK426 - Spirituality and Social Work Practice (3)
    - THD118 - World Theatre (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of History 6B Faculty Hall (270) 809-2231

Default Advisor

Dept Chair

Research Design and Analysis (CERT: Certificate)

Program Name

Research Design and Analysis

Degree

CERT: Certificate

CIP Code

422799

Program Level

Graduate

Department

Psychology

College

College of Humanities and Fine Arts

Graduate Program Type

Graduate Certificate

Description

The Certificate in Research Design and Analysis is designed to complement traditional, disciplinary graduate and professional degree programs. The certificate program will enable students and professionals in fields like psychology, business, education, health, science, government, and technology to enhance their skills in collecting and analyzing data, interpreting and making decisions based on statistical methods and techniques, and applying data analysis tools to solving problems in a variety of areas.

Requirements for Admission
Persons who hold an undergraduate degree, graduate degree, or professional degree or are currently enrolled in a graduate or professional degree program may apply for the Certificate in Research Design and Analysis program. Applicants must comply with the Murray State University requirements (see *Graduate Admissions*).

Program Requirements

- Complete all of the following
  - Completed the following:
    - PSY651 - Correlational Research Design and Statistics (3)
    - PSY652 - Univariate Research Design and Statistics (3)
    - PSY684 - Directed Individual Study (1 - 3)
  - Completed at least 1 of the following:
    - CIS643 - Advanced Business Analytics (3)
    - ECO680 - Quantitative Methods of Economics and Business (3)
    - ECO685 - Econometrics (3)
    - EES612 - Remote Sensing (4)
    - EES621 - Geographic Information Systems (4)
    - OSH637 - Biostatistics and Probability (3)
    - OSH658 - Introduction to Occupational Epidemiology (3)
    - PSY608 - Applied Research Design and Analysis (3)
    - PSY655 - Topical Seminar in Research Design and Analysis (3)
    - PSY688 - Multivariate Research Design and Statistics (3)
    - STA667 - Introduction to Time Series Analysis (3)

Grand Total Credits: **10 - 13**

Minimum Credential Hours

12

Program Contact Information

Department of Psychology 212A Wells Hall (270) 809-2851

Default Advisor

Dept Chair

Rhetoric (Minor)

Program Name

Rhetoric

Degree

Minor

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ENG226 - Argument and Discourse (3)
    - ENG331 - Traditional Rhetoric and the Written Argument (3)
    - PHI103 - Critical Thinking (3)
  - Completed at least 4 of the following:
    - ENG309 - History of English Language (3)
    - ENG332 - Contemporary Rhetoric and the Written Argument (3)
    - ENG370 - Law and Literature (3)
    - ENG404 - Advanced Composition (3)
    - ENG446 - Approaches to the Writing Process (3)
    - GDS351 - Topics in Gender and Diversity (3)
    - HIS301 - Ancient History to the Fall of Rome (3)
    - JMC330 - Mass Media Effects (3)
    - PHI201 - Introduction to Philosophy (3)
    - PHI202 - Ethics (3)
    - PHI304 - History of Philosophy I: Ancient/Medieval (3)
    - PHI380 - Philosophy of Language (3)
    - PHI383 - Philosophy of Diversity (3)
    - PSY303 - Social Psychology (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

Dept Chair

Social and Behavioral Sciences (Minor)

Program Name

Social and Behavioral Sciences

Degree

Minor

Program Level

Undergraduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Only one course from PHI 350 and 382 may count toward the minor.

Program Requirements

- Complete all of the following
  - Completed the following:
    - POL140 - American National Government (3)
    - PSY180 - General Psychology (3)
    - SOC133 - Introduction to Sociology (3)
  - Earned at least 12 credits from: Courses from ECO LST, POL, PSY, or SOC -
    - PHI350 - Philosophy of Science (3)
    - PHI382 - Philosophy of Social Science (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

Dept Chair

Social Science (Minor)

Program Name

Social Science

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

History

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Description

Open only to majors in economics, geography, history, or political science who seek secondary certification in social studies.

Graduation Requirements

Six hours must be from upper-level courses.

Courses required for a major may not be counted toward the minor; substitutions must be advisor-approved from a social science discipline other than the major; and requirements for certification for teaching secondary school social studies, grades 8-12 through the College of Education and Human Services must also be met.

Program Requirements

- Complete all of the following
  - Completed the following:
    - EES110 - World Geography (3)
    - HIS221 - American Experience to 1865 (3)
    - HIS222 - American Experience Since 1865 (3)
    - POL140 - American National Government (3)
    - SOC133 - Introduction to Sociology (3)
  - Completed at least 6 credits from the following types of courses:
    Six hours of upper-level courses (300 or above) from the social science disciplines with approval of advisor.

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of History 6B Faculty Hall (270) 809-2231

Default Advisor

Dept Chair

Sociology (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Sociology

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

451101

Program Level

Undergraduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Undergraduate Program Type

Major

Description

The sociology program is oriented toward increasing students' understanding of human society, the groups and institutions of which it is composed, and its impact on human beings. Sociology provides many distinctive ways of looking at the world so as to generate new ideas and assess the old. Too, sociology offers a range of research techniques that can be applied in more specific areas whether one's concern is with crime, provision of health care, or problems of poverty and social inequality. Students find employment in a variety of fields including case and group work, probation and parole, or human rights advocacy, to name a few. The sociology program will provide students with a solid foundation for their chosen careers upon graduation or for more specialized education in such fields as law, public health, or a number of other professional fields.

Program Requirements

- Complete all of the following
  - Completed at least 1 of the following:
    - PSY300 - Principles and Methods of Statistical Analysis (3)
    - STA135 - Introduction to Probability and Statistics (4)
  - Completed the following:
    - SOC100T - Transitions (1)
    - SOC133 - Introduction to Sociology (3)
    - SOC300 - Social Theory (3)
    - SOC359 - Writing and Inquiry in the Social Sciences (3)
    - SOC360 - Research Methods (3)
    - SOC400 - Senior Seminar (3)
  - Required Electives:
  - Completed at least 18 credits from the following types of courses:
    Any SOC courses numbered between 200-499. A minimum of 12 hours must be upper-division courses (300-level or above)
  - Completed at least 21 credits from the following types of courses:
    Required Minor

Grand Total Credits: **58 - 59**

Minimum Credential Hours

120

Program Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

J. Seib

Sociology (Minor)

Program Name

Sociology

Degree

Minor

Program Level

Undergraduate

Department

Political Science & Sociology

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - SOC133 - Introduction to Sociology (3)
    - SOC300 - Social Theory (3)
  - Completed at least 15 credits from the following types of courses:
    Electives

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Political Science and Sociology 5A Faculty Hall (270) 809-2661 government@murraystate.edu

Default Advisor

Dept Chair

Spanish (Minor)

Program Name

Spanish

Degree

Minor

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses and six hours must be completed in residence at Murray State University.

The department strongly recommends that minors study abroad for at least one summer.

Program Requirements

- Complete all of the following
  - Completed the following:
    - SPA201 - Intercultural Communications in Spanish (3)
  - Completed at least 1 of the following:
    - SPA202 - Practical Applications in Spanish (3)
    - SPA203 - Spanish for the Working World (3)
  - Completed the following:
    - SPA301 - Conversation and Composition I (3)
  - Earned a minimum grade of C in each of the following:
    - SPA302 - Conversation and Composition II (3)
  - Completed at least 9 credits from the following types of courses:
    Approved Electives Beyond SPA 302

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

Dept Chair

Spanish Language and Culture (CERT: Certificate)

Program Name

Spanish Language and Culture

Degree

CERT: Certificate

CIP Code

160905

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Certificate

Graduation Requirements

Note: The department strongly recommends that students study abroad.

Program Requirements

- Complete all of the following
  - Completed the following:
    - SPA101 - Fundamental Communication in Spanish (3)
    - SPA102 - Social Interactions in Spanish (3)
    - SPA201 - Intercultural Communications in Spanish (3)
  - Completed at least 1 of the following:
    - SPA202 - Practical Applications in Spanish (3)
    - SPA210 - Intermediate Spanish Conversation (3)
  - Earned a minimum grade of C in each of the following:
    - SPA301 - Conversation and Composition I (3)
    - SPA302 - Conversation and Composition II (3)

Grand Total Credits: **18**

Minimum Credential Hours

12

Program Contact Information

Department of Global Languages and Theatre Arts 4A Faculty Hall (270) 809-2501

Default Advisor

Dept Chair

Teaching English to Speakers of Other Languages (MA: Master of Arts)

Program Name

Teaching English to Speakers of Other Languages

Degree

MA: Master of Arts

CIP Code

131401

Program Level

Graduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Graduate Program Type

Graduate Degree

Description

Requirements for Admission

Applicants must comply with the Murray State University requirements (see *Graduate Admissions*). Additional requirements for unconditional admission are as follows:

- an undergraduate major in English or a modern foreign language or approval by the TESOL Advisory Committee;
- at least 6 semester hours in one modern foreign language *or* demonstrated proficiency at that level (permission may be granted to complete this proficiency during the program; for non-native speakers, language may be English);
- for non-native speakers of English, a TOEFL score of 20 for each section of the iBT, an IELTS score of 6.5 with no band lower than 6.0 or a previous degree earned from an accredited U.S. institution or successful completion of Level 6 of the MSU ESL program.
- Students who have a minimum of 18 for each section of the iBT, an IELTS score of 6.0 with no band below 5.5, or successful completion of an in-house language exam (decided on a case-by-case basis), but meet all other conditions for admittance may be admitted conditionally by the TESOL Advisory committee. Under these conditions, students will have their English language skills assessed by the director of the TESOL program immediately after they arrive on campus to determine if further classes are needed to develop English language proficiency. After assessment the students may be assigned to full-time language study in the English as a Second Language Program, may be permitted to take graduate-level classes on a conditional basis along with further designated language study, or may be permitted to begin graduate study without further restrictions.
- All students must submit an internship proposal by the end of the semester before they will enroll in that class. Students must meet the specified guidelines indicated below for each internship before proposals will be considered. Each proposal must be approved by the TESOL Committee. Note that the default internship course will be TSL 690: Internship: Teaching Focus. Only students who have met very rigorous requirements, as noted below, will be allowed to enroll in an optional Internship course.

Note: Admission to the program does not guarantee graduation. Students are expected to hold to the ethical standards expected of the teaching profession, and unethical conduct, such as violations of the MSU Academic Honesty Policy, may result in dismissal from the program.

Graduation Requirements

Other Degree Requirements

Formal evaluations during the course of the program will include submission of a summative portfolio and will include a one-hour oral exit examination.

Optional Internship Focus: The default internship course will be TSL 690: Internship: Teaching Focus. Only students who have met very rigorous requirements, as noted below, will be allowed to enroll in an optional Internship course.

TSL 691 Internship: Research Focus*

*Note that permission to enroll in this course as a substitute for TSL 690 requires teaching experience; TSL 610; approval by the TESOL Committee based on a superior score of the TSL 610 final project and research proposal, using an external rubric; and recommendation of TSL 610 professor.

TSL 692 Internship: Materials Design Focus*

*Note that permission to enroll in this course as a substitute for TSL 690 requires teaching experience; TSL 615; approval by the TESOL Committee based on a superior score of the TSL 615 final project and materials proposal, using an external rubric; and recommendation of TSL 615 professor.

Field experience is required for TSL 600.

Program Requirements

- Complete all of the following
  - Core Program Requirements:
  - Completed the following:
    - TSL600 - Methods and Materials for Teaching ESL/EFL (3)
    - TSL605 - Writing and the Teaching of ESL/EFL Writing (3)
    - TSL609 - Foundations of Second Language Acquisition (3)
    - TSL615 - Curriculum Design in Second Language Teaching and Learning (3)
    - TSL623 - Testing and Evaluation in Second Language Teaching (3)
    - TSL634 - Language and Culture (3)
    - TSL653 - Integrated ESL/EFL Skills Seminar (3)
  - Limited Electives:
  - Completed at least 2 of the following:
    - TSL601 - Methods and Materials for Online Language Teaching (3)
    - TSL610 - Applied Linguistics and Professional Practices (3)
    - TSL620 - Computer Assisted Language Learning (3)
    - TSL680 - Practicum (3)
    - TSL695 - Special Topics (3)
  - Completed at least 1 of the following:
    - TSL690 - Internship: Teaching Focus (3)
    - TSL691 - Internship: Research Focus (3)
    - TSL692 - Internship: Materials Design Focus (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Program Contact Information

Graduate Coordinator: Latricia Trites 7C9 Faculty Hall (270) 809-2401

Default Advisor

L. Trites

TESL/TEFL (CERT: Certificate)

Program Name

TESL/TEFL

Degree

CERT: Certificate

CIP Code

230101

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Certificate

Description

The Certificate in TESL/TEFL (Teaching English as a Second Language/Teaching English as a Foreign Language) provides foundational training for students seeking to teach English to non-native speakers in contexts within and outside of the US, including classrooms, tutoring, and volunteer opportunities.

Note: This certificate does not lead to Teacher Certification in the state of Kentucky.

Graduation Requirements

A minimum grade of *C* is required in all courses to receive the certificate.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ENG228 - Standard English Usage (3)
    - ENG310 - Introduction to English Linguistics (3)
    - ENG362 - Linguistic Diversity Across Cultures (3)
    - TSL409 - Acquisition of Languages in Children and Adolescents (3)
  - Completed at least 2 of the following:
    - undefined 301 - Methods and Materials for Online Language Teaching (3)
    - TSL330 - Foundations of Teaching Methods and Technology for English Learners (3)
    - TSL331 - Strategies and Materials for Teaching English Learners (3)
    - TSL480 - Effective Pedagogy: Differentiation, Assessment, and Advocacy (3)

Grand Total Credits: **18**

Minimum Credential Hours

12

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

L. Trites

TESL/TEFL (CERT: Certificate)

Program Name

TESL/TEFL

Degree

CERT: Certificate

CIP Code

131401

Program Level

Graduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Graduate Program Type

Graduate Certificate

Description

This certificate is designed to provide those students who want to teach abroad or online and require limited training or "certification" for employment. Note that while this certificate is similar to the ESL Certificate Endorsement for the Kentucky Department of Education, it does not lead to K-12 certification in the state of Kentucky.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ENG618 - Introduction to Linguistic Science (3)
    - TSL609 - Foundations of Second Language Acquisition (3)
    - TSL620 - Computer Assisted Language Learning (3)
    - TSL634 - Language and Culture (3)
  - Completed at least 1 of the following:
    - TSL600 - Methods and Materials for Teaching ESL/EFL (3)
    - TSL601 - Methods and Materials for Online Language Teaching (3)

Grand Total Credits: **15**

Minimum Credential Hours

12

Program Contact Information

Program Coordinator: Latricia Trites 7C9 Faculty Hall (270) 809-2401

Default Advisor

L. Trites

TESOL (Minor)

Program Name

TESOL

Degree

Minor

Program Level

Undergraduate

Department

English and Philosophy

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - HUM180 - Explore Teaching in the Humanities (3)
    - ENG228 - Standard English Usage (3)
    - ENG310 - Introduction to English Linguistics (3)
    - ENG362 - Linguistic Diversity Across Cultures (3)
    - TSL409 - Acquisition of Languages in Children and Adolescents (3)
    - TSL421 - Research in Second Language Learning and Teaching (3)
  - Completed at least 1 of the following:
    - undefined 301 - Methods and Materials for Online Language Teaching (3)
    - TSL330 - Foundations of Teaching Methods and Technology for English Learners (3)
    - TSL331 - Strategies and Materials for Teaching English Learners (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of English and Philosophy 7C9 Faculty Hall (270) 809-2401

Default Advisor

Dept Chair

Theatre (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Theatre

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

500501

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Major

Accreditations

National Association of Schools of Theatre (NAST); 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190; 703-437-0700

Graduation Requirements

Other Degree Requirements
Each theatre major is required to take six credits of production practicums or opera workshops with the goal of working in or on faculty-approved productions/events each academic year prior to graduation. Enrollment in THD 106/112, MUS 164/364 as required by the major and/or minor evaluates this production requirement. At least one study abroad experience is highly encouraged for all theatre majors and minors. The department faculty participates in study abroad courses to facilitate this activity.

Participation
Theatre Majors and Minors are expected to attend all theatre mainstage productions when not actively participating in technical rehearsals or performances.

Program Requirements

- Complete all of the following
  - Completed the following:
    - GLT100T - Transitions (1)
    - THD103 - Theatre Foundations (1)
    - THD110 - Movement for the Actor (3)
    - THD111 - Acting I (3)
    - THD120 - Play Analysis (3)
    - THD210 - Voice and Diction (3)
    - THD250 - Basic Theatre Design (3)
    - THD344 - Theatre History and Literature II (3)
    - THD430 - Directing I (3)
  - Earned at least 6 credits from the following:
    - MUS164 - Opera Workshop (1)
    - MUS364 - Opera Workshop (1 - 2)
    - THD106 - Theatre Production Practicum (1)
    - THD112 - Music Theatre Production Practicum (1)
  - Completed at least 1 of the following:
    - THD350 - Scene Design (3)
    - THD351 - Lighting Design (3)
    - THD352 - Costume Design (3)
  - Theatre Courses:
  - Completed the following:

        - THD140 - Stagecraft (3)
        - THD142 - Costume Construction (3)
        - THD221 - Performance Theory (3)
        - THD343 - Theatre History and Literature I (3)
    - Limited Electives: Choose from the following courses. No more than three hours from the 200-level courses will be counted towards graduation. THD 350, 351, or 352 courses not chosen above from Core Courses are eligible for use as THD electives.
    - Earned at least 11 credits from the following:
        - THD220 - Creative Drama (3)
        - THD225 - Children's Theatre Touring Company (3)
        - THD230 - Stage Manangement (3)
        - THD260 - Music Theatre Dance I (3)
        - THD262 - Jazz Dance I (3)
        - THD270 - Stage Combat (3)
        - THD310 - Acting II (3)
        - THD312 - Advanced Movement for Actors (3)
        - THD320 - Playwriting (3)
        - THD321 - Entertainment Makeup (3)
        - THD322 - International Studies in Theatre (3)
        - THD330 - Theatre Management and Arts Leadership (3)
        - THD341 - Advanced Theatrical Makeup (3)
        - THD346 - Acting Shakespeare (3)
        - THD358 - Sound Design for the Theatre (3)
        - THD360 - Music Theatre Dance II (3)
        - THD362 - Jazz Dance II (3)
        - THD392 - Professional Theatre Engagement (1 - 3)
        - THD400 - Special Topics (3)
        - THD410 - Acting III (3)
        - THD422 - Contemporary Theatre (3)
        - THD465 - Directing II (4)
        - THD466 - Theatre Literature (3)
        - THD590 - Directed Study (3)
    - Completed at least 0 credits from the following types of courses:
      If additional credits are needed to reach 120, choose additional courses from the Limited Electives listed above or have advisor approve electives.
    - Completed at least 21 credits from the following types of courses:
      Required Minor

Grand Total Credits: **76**

Minimum Credential Hours

120

Program Contact Information

Department of Global Languages and Theatre Arts 106 Fine Arts Building (270) 809-4421

Default Advisor

B. Menchinger

Theatre (BA/BS: Bachelor of Arts or Bachelor of Science) - Theatre/Film Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Theatre (BA/BS: Bachelor of Arts or Bachelor of Science) - Theatre/Film Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

500501

Specialization Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Specialization Type

Major

Accreditations

National Association of Schools of Theatre (NAST); 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190; 703-437-0700

Graduation Requirements

Other Degree Requirements
Each theatre major is required to take six credits of production practicums or opera workshops with the goal of working in or on faculty-approved productions/events each academic year prior to graduation. Enrollment in THD 106/112, MUS 164/364 as required by the major and/or minor evaluates this production requirement. At least one study abroad experience is highly encouraged for all theatre majors and minors. The department faculty participates in study abroad courses to facilitate this activity.

Participation
Theatre Majors and Minors are expected to attend all theatre mainstage productions when not actively participating in technical rehearsals or performances.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - GLT100T - Transitions (1)
    - THD103 - Theatre Foundations (1)
    - THD110 - Movement for the Actor (3)
    - THD111 - Acting I (3)
    - THD120 - Play Analysis (3)
    - THD210 - Voice and Diction (3)
    - THD250 - Basic Theatre Design (3)
    - THD344 - Theatre History and Literature II (3)
    - THD430 - Directing I (3)
  - Earned at least 6 credits from the following:
    - MUS164 - Opera Workshop (1)
    - MUS364 - Opera Workshop (1 - 2)
    - THD106 - Theatre Production Practicum (1)
    - THD112 - Music Theatre Production Practicum (1)
  - Completed at least 1 of the following:
    - THD350 - Scene Design (3)
    - THD351 - Lighting Design (3)
    - THD352 - Costume Design (3)
  - Film Track:
  - Completed the following:
    - ENG313 - History of the Cinema (3)
    - JMC168 - Contemporary Mass Media (3)
    - JMC270 - Media Production (3)
    - THD275 - Acting for Film, Television, and Commercials (3)

- Film Track Limited Electives: Choose from the following courses. No more than six hours from the 200-level courses will be counted towards graduation.
- Completed at least 1 of the following:
  - ART385 - Moving Image: Screen (3)
  - JMC336 - Writing for Media Production (3)
  - THD355 - Design and Production for TV and Film (3)
  - THD465 - Directing II (4)
- Completed at least 1 of the following:
  - ENG213 - Film and Literature (3)
  - ENG314 - Shakespeare on Film (3)
  - ENG351 - Special Topics in Film Studies (3)
  - ENG400 - Major Film Directors (3)
- Completed at least 1 of the following:
  - THD140 - Stagecraft (3)
  - THD142 - Costume Construction (3)
  - THD321 - Entertainment Makeup (3)
  - THD358 - Sound Design for the Theatre (3)
- Electives: If additional credits are needed to reach 120, choose additional courses from the courses listed below. No more than three hours from the 200-level courses will be counted towards graduation. THD courses not chosen above from Core Courses, Theatre Limited Electives, or Film Track Limited Electives are eligible for use as THD electives.
- Earned at least 0 credits from the following:
  - THD220 - Creative Drama (3)
  - THD225 - Children's Theatre Touring Company (3)
  - THD230 - Stage Manangement (3)
  - THD260 - Music Theatre Dance I (3)
  - THD262 - Jazz Dance I (3)
  - THD270 - Stage Combat (3)
  - THD310 - Acting II (3)
  - THD312 - Advanced Movement for Actors (3)
  - THD320 - Playwriting (3)
  - THD321 - Entertainment Makeup (3)
  - THD322 - International Studies in Theatre (3)
  - THD330 - Theatre Management and Arts Leadership (3)
  - THD341 - Advanced Theatrical Makeup (3)
  - THD346 - Acting Shakespeare (3)
  - THD358 - Sound Design for the Theatre (3)
  - THD360 - Music Theatre Dance II (3)
  - THD362 - Jazz Dance II (3)
  - THD392 - Professional Theatre Engagement (1 - 3)
  - THD400 - Special Topics (3)
  - THD410 - Acting III (3)
  - THD422 - Contemporary Theatre (3)
  - THD465 - Directing II (4)
  - THD466 - Theatre Literature (3)
  - THD590 - Directed Study (3)
- Completed at least 21 credits from the following types of courses:
  Required Minor

Grand Total Credits: **74 - 75**

Minimum Credential Hours

120

Specialization Contact Information

Department of Global Languages and Theatre Arts 106 Fine Arts Building (270) 809-4421

Default Advisor

B. Menchinger

Theatre (BA/BS: Bachelor of Arts or Bachelor of Science) - Theatre/Musical Theatre Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Theatre (BA/BS: Bachelor of Arts or Bachelor of Science) - Theatre/Musical Theatre Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

500501

Specialization Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Specialization Type

Major

Accreditations

National Association of Schools of Theatre (NAST); 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190; 703-437-0700

Graduation Requirements

Other Degree Requirements
Each theatre major is required to take six credits of production practicums or opera workshops with the goal of working in or on faculty-approved productions/events each academic year prior to graduation. Enrollment in THD 106/112, MUS 164/364 as required by the major and/or minor evaluates this production requirement. At least one study abroad experience is highly encouraged for all theatre majors and minors. The department faculty participates in study abroad courses to facilitate this activity.

Participation
Theatre Majors and Minors are expected to attend all theatre mainstage productions when not actively participating in technical rehearsals or performances.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - GLT100T - Transitions (1)
    - THD103 - Theatre Foundations (1)
    - THD110 - Movement for the Actor (3)
    - THD111 - Acting I (3)
    - THD120 - Play Analysis (3)
    - THD210 - Voice and Diction (3)
    - THD250 - Basic Theatre Design (3)
    - THD344 - Theatre History and Literature II (3)
    - THD430 - Directing I (3)
  - Earned at least 6 credits from the following:

        - MUS164 - Opera Workshop (1)
        - MUS364 - Opera Workshop (1 - 2)
        - THD106 - Theatre Production Practicum (1)
        - THD112 - Music Theatre Production Practicum (1)
    - Completed at least 1 of the following:
        - THD350 - Scene Design (3)
        - THD351 - Lighting Design (3)
        - THD352 - Costume Design (3)
    - Musical Theatre Track:
    - Completed the following:
        - MUS107 - Introduction to the American Musical Theatre (3)
        - MUS109 - Musicianship I: Music Fundamentals (3)
        - MUS110 - Musicianship II (3)
        - MUS124 - Beginning Class Piano I (1)
        - MUS125 - Beginning Class Piano II (1)
        - MUS127 - Class Voice I (1)
        - MUS128 - Class Voice II (1)
        - THD389 - Musical Theatre Performance I (3)
    - Musical Theatre Track Limited Electives:
    - Completed at least 3 of the following:
        - THD260 - Music Theatre Dance I (3)
        - THD262 - Jazz Dance I (3)
        - THD360 - Music Theatre Dance II (3)
        - THD362 - Jazz Dance II (3)
    - Electives: If additional credits are needed to reach 120, choose from the courses listed below. No more than three hours from the 200-level courses will be counted toward graduation. THD 350, 351, or 352 courses not chosen above from Core Courses are eligible for use as THD electives.
    - Completed at least 0 of the following:
        - THD220 - Creative Drama (3)
        - THD225 - Children's Theatre Touring Company (3)
        - THD230 - Stage Manangement (3)
        - THD260 - Music Theatre Dance I (3)
        - THD262 - Jazz Dance I (3)
        - THD270 - Stage Combat (3)
        - THD310 - Acting II (3)
        - THD312 - Advanced Movement for Actors (3)
        - THD320 - Playwriting (3)
        - THD321 - Entertainment Makeup (3)
        - THD322 - International Studies in Theatre (3)
        - THD330 - Theatre Management and Arts Leadership (3)
        - THD341 - Advanced Theatrical Makeup (3)
        - THD346 - Acting Shakespeare (3)
        - THD358 - Sound Design for the Theatre (3)
        - THD360 - Music Theatre Dance II (3)
        - THD362 - Jazz Dance II (3)
        - THD392 - Professional Theatre Engagement (1 - 3)
        - THD400 - Special Topics (3)
        - THD410 - Acting III (3)
        - THD422 - Contemporary Theatre (3)
        - THD465 - Directing II (4)
        - THD466 - Theatre Literature (3)
        - THD590 - Directed Study (3)
    - Completed at least 21 credits from the following types of courses:
      Required Minor

Grand Total Credits: **78 - 151**

Minimum Credential Hours

120

Specialization Contact Information

Department of Global Languages and Theatre Arts 106 Fine Arts Building (270) 809-4421

Default Advisor

B. Menchinger

Theatre (Minor)

Program Name

Theatre

Degree

Minor

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Earned at least 3 credits from the following:
    - THD106 - Theatre Production Practicum (1)
  - Completed the following:
    - THD111 - Acting I (3)
    - THD120 - Play Analysis (3)
    - THD430 - Directing I (3)
  - Completed at least 1 of the following:
    - THD140 - Stagecraft (3)
    - THD142 - Costume Construction (3)
  - Completed at least 1 of the following:
    - THD343 - Theatre History and Literature I (3)
    - THD344 - Theatre History and Literature II (3)
  - Completed at least 1 of the following:
    - THD350 - Scene Design (3)
    - THD351 - Lighting Design (3)
    - THD352 - Costume Design (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Global Languages and Theatre Arts 106 Fine Arts Building (270) 809-4421

Default Advisor

Dept Chair

Theatre Design/Technical (Minor)

Program Name

Theatre Design/Technical

Degree

Minor

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - THD120 - Play Analysis (3)
    - THD140 - Stagecraft (3)
    - THD142 - Costume Construction (3)
    - THD230 - Stage Manangement (3)
    - THD250 - Basic Theatre Design (3)
  - Completed at least 2 of the following:
    - THD350 - Scene Design (3)
    - THD351 - Lighting Design (3)
    - THD352 - Costume Design (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Global Languages and Theatre Arts 106 Fine Arts Building (270) 809-4421

Default Advisor

Dept Chair

Theatre Performance (Minor)

Program Name

Theatre Performance

Degree

Minor

Program Level

Undergraduate

Department

Global Languages and Theatre Arts

College

College of Humanities and Fine Arts

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Earned at least 3 credits from the following:
    - THD106 - Theatre Production Practicum (1)
  - Completed the following:
    - THD111 - Acting I (3)
    - THD120 - Play Analysis (3)
    - THD260 - Music Theatre Dance I (3)
    - THD310 - Acting II (3)
    - THD321 - Entertainment Makeup (3)
    - THD410 - Acting III (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Global Languages and Theatre Arts 106 Fine Arts Building (270) 809-4421

Default Advisor

Dept Chair

Honors College

Honors Focus

Program Name

Honors Focus

CIP Code

Program Level

Undergraduate

Department

Honors Program

College

Honors College

Description

Students who complete the following requirements but who are unable to finish the complete Honors Sequence for the Honors Diploma will receive their Bachelor's Degree with an Honors Focus. *Unlike Honors Diploma graduates, students receiving credit for the Honors Focus must satisfy the appropriate University Studies curriculum for their degree.* Students must graduate with a 3.2 GPA to receive the Honors Focus.

Graduation Requirements

Take six Honors seminars while at Murray State. At least three of the seminars must be at the 200-level. Only one of these seminar credits can be a substitution from another institution. ENG 150 may be substituted for one of the Honors seminars by permission of the director.

Program Requirements

- Complete all of the following
  - Completed at least 6 of the following:
    - HON133 - Honors Seminar in Sociology (3)
    - HON140 - Honors Seminar in American National Government (3)
    - HON150 - Honors Seminar in Archaeology (3)
    - HON161 - Honors Seminar in Visual Arts (3)
    - HON162 - Honors Seminar in Music (3)
    - HON163 - Honors Seminar in Theatre (3)
    - HON164 - Honors Seminar in Arts and Culture Abroad (3)
    - HON165 - Honors Seminar in Communication (3)
    - HON180 - Honors Seminar in Psychology (3)
    - HON201 - Honors Seminar in World History I (3)
    - HON202 - Honors Seminar in World History II (3)
    - HON203 - Honors Seminar in American History (3)
    - HON212 - Honors Seminar in Ethics (3)
    - HON232 - Honors Seminar in Economics (3)
    - HON251 - Honors Seminar in Literature and Philosophy I (3)
    - HON252 - Honors Seminar in Literature and Philosophy II (3)
    - HON261 - Honors Seminar in Science I (3)
    - HON262 - Honors Seminar in Mathematics (3)
    - HON270 - Honors Seminar in International Relations (3)
    - HON272 - Honors Seminar in Comparative Politics (3)
    - HON290 - Honors Seminar in Service and the Nonprofit Sector (3)
  - Complete 2 of the following
    - Completed at least 3 courses of the following types:
      Complete a 102, 201, or 202 foreign language class. Note: 101 course in the same language is a prerequisite for the 102 course, but the student may place out or test out of these prior credits with sufficient prior instruction. International students who are non-native English speakers may substitute six hours of English literature, linguistics, or writing classes (excluding ENG 105/150) for the foreign language requirement by permission of the Honors Director.
    - Complete all of the following
      - Thesis Requirement:
      - Completed at least 1 of the following:
        - HON437 - Senior Honors Thesis (3)
        - HON440 - Honors Professional Engagement Project (3)
        - HON444 - Internship Research & Analysis (3)
    - Completed at least 3 credits from the following types of courses:
      Study Abroad: Students must participate in a year, semester, or summer study abroad program (9 day minimum). International students may substitute a Study USA experience of at least nine days for the study abroad requirement by permission of the Honors Director.

Grand Total Credits: **24**

Minimum Credential Hours

24

Program Contact Information

Honors College 304 Lowry Center (270) 809-5274

Default Advisor

W. Edminster

Honors Sequence - Arts

Program Name

Honors Sequence - Arts

Program Level

Undergraduate

Department

Honors Program

College

Honors College

Description

Bachelor of Arts (BA)

Bachelor of Arts in Business (BAB)

Bachelor of Fine Arts (BFA)

Bachelor of Music (BM)

Additional Honors Diploma Requirements

Competency in Mathematics

The student must complete three hours of mathematics chosen from the University Studies mathematics category (not including HON 262) at STA 135 or MAT 140 or higher. This course can serve as the prerequisite for HON 262.

Competency in Science

The student must complete one lab science chosen from the University Studies science category. This course can serve as the prerequisite for HON 261.

Competency in Modern Language

12-hour sequence (excluding 105) in one modern language culminating no lower than a 202-level course—Example: SPA 101, SPA 102, SPA 201, SPA 202. International students who are non-native English speakers may substitute 12 hours of English literature, linguistics, or writing classes (excluding ENG 105/150) for the modern language requirement by permission of the Honors Executive Director.

Study Abroad

Students must participate in a year, semester, or summer study abroad program (9-day minimum). Courses taken abroad may be used towards the Honors Sequence, modern language competency, major, or minor. International students may substitute a Study USA experience of at least nine days for the study abroad requirement by permission of the Honors Executive Director.

Graduation Requirements

HON 100T is only required for undeclared incoming honors students.

HON 165 is required for business, education, and nursing majors.

Only one course from HON 212 and 252 will count toward program requirements.

Only one course from HON 270 and 272 will count toward program requirements.

Program Requirements

- Complete all of the following
  - Completed the following:
    - HON100T - Transitions for Undeclared Incoming Honors Students (1)
    - ENG150 - Honors Rhetoric, Composition and Research (4)
    - HON251 - Honors Seminar in Literature and Philosophy I (3)
  - Completed at least 2 of the following:
    - HON109 - Interdisciplinary Humanities and Fine Arts (3)
    - HON161 - Honors Seminar in Visual Arts (3)
    - HON162 - Honors Seminar in Music (3)
    - HON163 - Honors Seminar in Theatre (3)
    - HON164 - Honors Seminar in Arts and Culture Abroad (3)
    - HON165 - Honors Seminar in Communication (3)
  - Completed at least 1 of the following:
    - HON201 - Honors Seminar in World History I (3)
    - HON202 - Honors Seminar in World History II (3)
  - Completed at least 1 of the following:
    - HON261 - Honors Seminar in Science I (3)
    - HON262 - Honors Seminar in Mathematics (3)
  - Completed at least 3 of the following:
    - HON133 - Honors Seminar in Sociology (3)
    - HON140 - Honors Seminar in American National Government (3)
    - HON150 - Honors Seminar in Archaeology (3)
    - HON180 - Honors Seminar in Psychology (3)
    - HON201 - Honors Seminar in World History I (3)
    - HON202 - Honors Seminar in World History II (3)
    - HON203 - Honors Seminar in American History (3)
    - HON232 - Honors Seminar in Economics (3)
    - HON212 - Honors Seminar in Ethics (3)
    - HON252 - Honors Seminar in Literature and Philosophy II (3)
    - HON270 - Honors Seminar in International Relations (3)
    - HON272 - Honors Seminar in Comparative Politics (3)
    - HON290 - Honors Seminar in Service and the Nonprofit Sector (3)
  - Completed at least 1 of the following:
    - HON437 - Senior Honors Thesis (3)
    - HON440 - Honors Professional Engagement Project (3)
    - HON444 - Internship Research & Analysis (3)

Grand Total Credits: **32**

Program Contact Information

Honors College 304 Lowry Center (270) 809-5274

Default Advisor

W. Edminster

Honors Sequence - Science

Program Name

Honors Sequence - Science

Program Level

Undergraduate

Department

Honors Program

College

Honors College

Description

Bachelor of Science (BS)

Bachelor of Science in Agriculture (BSA)

Bachelor of Science in Business (BSB)

Bachelor of Science in Engineering (BSE)

Bachelor of Integrated Studies (BIS)

Bachelor of Science in Nursing (BSN)

Bachelor of Social Work (BSW)

Additional Honors Diploma Requirements

Competency in Mathematics

The student must complete three hours of mathematics chosen from the University Studies mathematics category (not including HON 262) at STA 135 or MAT 140 or higher.

Competency in Science

The student must complete one lab science chosen from the University Studies science category.

Competency in Modern Language

6-hour sequence (excluding 105) in one modern language culminating no lower than a 102-level course—Example: SPA 101, SPA 102. International students who are non-native English speakers may substitute six hours of English literature, linguistics, or writing classes (excluding ENG 105/150) for the modern language requirement by permission of the Honors Executive Director.

Additional Hours of University Studies Science, Math, or Language

Nine hours in addition to the competency courses mentioned above; students should consult their major advisors in deciding which courses to take, as specific courses are often needed to fulfill general education requirements for some majors. Either HON 261 or HON 262 may be taken for three of these hours.

Study Abroad

Students must participate in a year, semester, or summer study abroad program (9-day minimum). Courses taken abroad may be used towards the Honors Sequence, modern language competency, major, or minor. International students may substitute a Study USA experience of at least nine days for the study abroad requirement by permission of the Honors Executive Director

Graduation Requirements

HON 100T is only required for undeclared incoming honors students.

HON 165 is required for business, education, and nursing majors.

Only one course from HON 270 and 272 will count toward program requirements.

Program Requirements

- Complete all of the following
  - Completed the following:
    - HON100T - Transitions for Undeclared Incoming Honors Students (1)
    - ENG150 - Honors Rhetoric, Composition and Research (4)
    - HON251 - Honors Seminar in Literature and Philosophy I (3)
  - Completed at least 2 of the following:
    - HON109 - Interdisciplinary Humanities and Fine Arts (3)
    - HON161 - Honors Seminar in Visual Arts (3)
    - HON162 - Honors Seminar in Music (3)
    - HON163 - Honors Seminar in Theatre (3)
    - HON164 - Honors Seminar in Arts and Culture Abroad (3)
    - HON165 - Honors Seminar in Communication (3)
  - Completed at least 1 of the following:
    - HON201 - Honors Seminar in World History I (3)
    - HON202 - Honors Seminar in World History II (3)
  - Completed at least 1 of the following:
    - HON212 - Honors Seminar in Ethics (3)
    - HON252 - Honors Seminar in Literature and Philosophy II (3)
  - Completed at least 2 of the following:
    - HON133 - Honors Seminar in Sociology (3)
    - HON140 - Honors Seminar in American National Government (3)
    - HON150 - Honors Seminar in Archaeology (3)
    - HON180 - Honors Seminar in Psychology (3)
    - HON201 - Honors Seminar in World History I (3)
    - HON202 - Honors Seminar in World History II (3)
    - HON203 - Honors Seminar in American History (3)
    - HON232 - Honors Seminar in Economics (3)
    - HON270 - Honors Seminar in International Relations (3)
    - HON272 - Honors Seminar in Comparative Politics (3)
    - HON290 - Honors Seminar in Service and the Nonprofit Sector (3)
  - Completed at least 1 of the following:
    - HON437 - Senior Honors Thesis (3)
    - HON440 - Honors Professional Engagement Project (3)
    - HON444 - Internship Research & Analysis (3)

Grand Total Credits: **29**

Program Contact Information

Honors College 304 Lowry Center (270) 809-5274

Default Advisor

W. Edminster

Hutson School of Agriculture

Agricultural Education (EDS: Specialist in Education)

Program Name

Agricultural Education

Degree

EDS: Specialist in Education

CIP Code

131301

Program Level

Graduate

Department

Agricultural Science

College

Hutson School of Agriculture

Graduate Program Type

Graduate Degree

Description

This program is pending CPE approval.

The Hutson School of Agriculture offers an Educational Specialist degree in Agricultural Education, which allows students to pursue advanced course work in agriculture education.

The program consists of 30 credits and requires a 3.0 GPA for admission (no GRE score or other exam score required).

Program Requirements

- Completed the following:
  - ADM900 - Clinical Practice: P-20 Leadership (3)
  - ADM910 - Clinical Practice II: P-20 Learner (3)
  - AGR627 - Modern Issues in Agricultural Leadership (3)
  - AGR720 - Experimental Design and Statistical Analysis (3)
  - AED735 - Qualitative Inquiry in Agricultural Education (3)
  - AED900 - Trends and Advocacy in Agricultural Leadership (3)
  - AED910 - Agricultural Education Stewardship in Practice (3)
  - AED920 - Seminar in Agricultural Education Leadership (3)
  - AED930 - Training and Presentation Development Strategies for Agricultural Audiences (3)
  - AED940 - Agricultural Education Supervision in Practice (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Program Contact Information

Department of Agricultural Science 212 Oakley Applied Science South (270) 809-3327

Default Advisor

K. Guffey

Agricultural Science and Technology (AS: Associate of Science)

Program Name

Agricultural Science and Technology

Degree

AS: Associate of Science

CIP Code

019999

Program Level

Undergraduate

Department

Agricultural Science

College

Hutson School of Agriculture

Undergraduate Program Type

Major

Graduation Requirements

Note: AGR 199 will fulfill both the agriculture core and University Studies elective.

Specifically Required University Studies

- Complete all of the following
  - Completed at least 1 of the following:
    - BIO101 - Biological Concepts (4)
    - CHE105 - Introductory Chemistry (4)
    - PHY130 - General Physics I (3)
  - Completed the following:
    - MAT140 - College Algebra (4)

Grand Total Credits: **7 - 8**

Program Requirements

- Complete all of the following
  - Completed the following:
    - AGR100T - Transitions (1)
    - AGR100 - Animal Science (3)
    - AGR130 - Agricultural Economics (3)
    - AGR133 - Field Applications for Agriculture (2)
    - AGR170 - Introduction to Agricultural Systems Technology (3)
    - AGR199 - Contemporary Issues in Agriculture (3)
    - AGR339 - Computer Applications for Agriculture (3)
    - AGR345 - Soil Science (3)
  - Completed at least 1 of the following:
    - AGR160 - Horticultural Science (3)
    - AGR240 - Crop Science (3)
  - Completed at least 1 of the following:
    - AGR399 - Professional Development Seminar I (1)
    - AGR499 - Leadership/Professional Development Seminar II (1)
  - Earned at least 16 credits from AGR

Grand Total Credits: **41**

Minimum Credential Hours

60

Program Contact Information

Department of Agricultural Science 212 Oakley Applied Science South (270) 809-3327

Default Advisor

R. Morrow

Agricultural Science (major) (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Agricultural Science (major)

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

019999

Program Level

Undergraduate

Department

Agricultural Science

College

Hutson School of Agriculture

Undergraduate Program Type

Major

Graduation Requirements

Note: AGR 199 fulfills the agriculture core and the University Studies elective.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - AGR199 - Contemporary Issues in Agriculture (3)
    - BIO101 - Biological Concepts (4)
    - CHE105 - Introductory Chemistry (4)
    - MAT140 - College Algebra (4)
  - Completed at least 1 of the following:
    - AGR200 - International Agriculture Experience (3)
    - AGR353 - World Food, Agriculture and Society (3)
    - SPA106 - Basic Spanish and Culture for Agriculture (3)
  - Completed at least 1 of the following:
    - BIO103 - Saving Planet Earth (3)
    - POL140 - American National Government (3)
  - Complete 1 of the following
    - Completed the following:
      - CHE210 - Brief Organic Chemistry (3)
      - CHE215 - Brief Organic Chemistry Laboratory (1)
    - Completed the following:
      - EES199 - Earth Science (4)

Grand Total Credits: **25**

Program Requirements

- Complete all of the following
  - Completed the following:
    - AGR100T - Transitions (1)
    - AGR100 - Animal Science (3)
    - AGR130 - Agricultural Economics (3)
    - AGR133 - Field Applications for Agriculture (2)
  - Completed at least 1 of the following:
    - AGR160 - Horticultural Science (3)
    - AGR240 - Crop Science (3)
  - Completed the following:
    - AGR170 - Introduction to Agricultural Systems Technology (3)
    - AGR199 - Contemporary Issues in Agriculture (3)
    - AGR339 - Computer Applications for Agriculture (3)
    - AGR345 - Soil Science (3)
  - Completed at least 1 of the following:
    - AGR399 - Professional Development Seminar I (1)
    - AGR499 - Leadership/Professional Development Seminar II (1)
  - Completed the following:
    - AGR599 - Agriculture Senior Capstone (1)
  - Earned at least 12 credits from AGR
  - Completed at least 21 credits from the following types of courses: Required Minor

Grand Total Credits: **59**

Minimum Credential Hours

120

Program Contact Information

Department of Agricultural Science 212 Oakley Applied Science South (270) 809-3327

Default Advisor

R. Morrow

Agricultural Science (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Agricultural Science/AgriScience Technology Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Agricultural Science (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Agricultural Science/AgriScience Technology Track

Degree

BSA: Bachelor of Science in Agriculture

CIP Code

019999

Specialization Level

Undergraduate

Department

Agricultural Science

College

Hutson School of Agriculture

Specialization Type

Area

Graduation Requirements

Note: AGR 199 fulfills both Agriculture Core and a University Studies elective requirement.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - AGR199 - Contemporary Issues in Agriculture (3)
    - BIO101 - Biological Concepts (4)
    - CHE105 - Introductory Chemistry (4)
    - MAT140 - College Algebra (4)
  - Completed at least 1 of the following:
    - AGR200 - International Agriculture Experience (3)
    - AGR353 - World Food, Agriculture and Society (3)
    - SPA106 - Basic Spanish and Culture for Agriculture (3)
  - Completed at least 1 of the following:
    - BIO103 - Saving Planet Earth (3)
    - POL140 - American National Government (3)
  - Complete 1 of the following
    - Completed the following:
      - CHE210 - Brief Organic Chemistry (3)
      - CHE215 - Brief Organic Chemistry Laboratory (1)
    - Completed the following:
      - EES199 - Earth Science (4)

Grand Total Credits: **25**

Specialization Requirements

- Complete all of the following
  - Agriculture Core Courses:
  - Completed the following:
    - AGR100T - Transitions (1)
    - AGR100 - Animal Science (3)
    - AGR130 - Agricultural Economics (3)
    - AGR133 - Field Applications for Agriculture (2)
  - Completed at least 1 of the following:
    - AGR160 - Horticultural Science (3)
    - AGR240 - Crop Science (3)
  - Completed the following:
    - AGR170 - Introduction to Agricultural Systems Technology (3)
    - AGR199 - Contemporary Issues in Agriculture (3)
    - AGR339 - Computer Applications for Agriculture (3)
    - AGR345 - Soil Science (3)
  - Completed at least 1 of the following:
    - AGR399 - Professional Development Seminar I (1)
    - AGR499 - Leadership/Professional Development Seminar II (1)
  - Completed the following:
    - AGR599 - Agriculture Senior Capstone (1)
  - AgriScience Technology Track:
  - Completed the following:
    - AGR377 - Agriculture Safety (3)
    - AGR433 - Farm Management (3)
  - Completed at least 1 of the following:
    - AGR300 - Principles of Animal Nutrition (3)
    - AGR301 - Livestock Judging and Evaluation (3)
    - AGR302 - Horse Science (3)
    - AGR311 - Beef Science (3)
    - AGR312 - Dairy Science (3)
    - AGR321 - Poultry Science (3)
    - AGR326 - Swine Science (3)
  - Completed at least 1 of the following:
    - AGR330 - Principles of Agribusiness Management (3)
    - AGR333 - Agribusiness Records and Analysis (3)
    - AGR337 - Agricultural Sales and Merchandising (3)
  - Completed at least 1 of the following:
    - AGR360 - Greenhouse Production and Management (3)
    - AGR461 - Plant Propagation (3)
    - AGR542 - Plant Breeding I (3)
    - AGR549 - Weeds and their Control (3)
  - Completed at least 1 of the following:
    - AGR372 - Agricultural Metal Processes (3)
    - AGR379 - Field Equipment Technology Management (3)
    - AGR470 - Soil and Water Engineering (3)
    - AGR477 - Agricultural Power Units (3)
    - AGR576 - Agricultural Electrification (3)
    - AGR577 - Tractor Power Principles (3)
  - Completed at least 6 credits from the following types of courses:
    AGR Electives: these may be fulfilled by agriculture courses used in the chosen emphasis
  - Complete 1 of the following
    Group
    - Complete 1 of the following
      - Emerging Technology Emphasis:
      - Completed the following:
        - AGR471 - Applications in Precision Agriculture (3)
        - AGR571 - Advanced Precision Agriculture (3)
        - EES202 - Introduction to Geographic Information Science (4)

        - EES312 - Introduction to Remote Sensing (4)
    - Completed at least 3 of the following:
        - AGR439 - Software Applications for Agriculture (3)
        - AGR539 - Advanced Computer Applications for Agriculture (3)
        - CSC125 - Internet and Web Page Design (3)
        - EES305 - Introduction to Cartography (3)
        - EES521 - Geographic Information Systems (4)
        - CNM134 - Introduction to Telecommunications Systems Management (2)
- Complete all of the following
    - Communications Emphasis:
    - Completed at least 1 of the following:
        - AGR585 - Specialized Journalism/RTV (1 - 3)
        - AGR595 - Integrated Agricultural Communications Strategies (3)
    - Completed the following:
        - AGR385 - Disseminating Agriculture, Food and Natural Resource Messages through Emerging Media (3)
        - JMC168 - Contemporary Mass Media (3)
        - JMC194 - Newswriting (3)
        - JMC330 - Mass Media Effects (3)
        - JMC590 - Mass Communication Law (3)
    - Completed at least 3 credits from the following types of courses: Advisor-approved AGR, COM, or JMC elective
- Complete all of the following
    - Environmental/Health Emphasis:
    - Completed the following:
        - AGR378 - Agricultural Environmental Management Systems (3)
        - CMA330 - Water Quality Technology I (3)
        - CMA331 - Water Quality Technology II (3)
        - CMA342 - Air Quality Technology (3)
        - CMA353 - Solid and Hazardous Waste Management (3)
        - CMA555 - Environmental Regulatory Affairs (3)
        - ENT286 - Introduction to Environmental Engineering Technology (3)
- Complete all of the following
    - Agriculture Public Service/Leadership Emphasis:
    - Completed the following:
        - AGR488 - Cooperative Education/Internship (1 - 3)
        - AGR489 - Cooperative Education/Internship (1 - 3)
        - NLS290 - Community Engagement and the Nonprofit Sector (3)
        - NLS350 - Program Development (3)
        - NLS351 - Leadership, Governance, and Board Development (3)
    - Earned at least 6 credits from AGR AED, COM, CTE, MGT, or NLS
- Complete all of the following
    - Agricultural Technology Emphasis:
    - Completed the following:
        - AGR313 - Livestock Production Management Systems (3)
        - AGR439 - Software Applications for Agriculture (3)
        - AGR471 - Applications in Precision Agriculture (3)
        - AGR499 - Leadership/Professional Development Seminar II (1)
        - AGR537 - Seminar in Agricultural Business Systems (2)
        - AGR539 - Advanced Computer Applications for Agriculture (3)
        - AGR547 - Crop Management (3)
    - Completed at least 1 of the following:
        - AGR538 - Seminar in Production Agricultural Systems (2)
        - AGR571 - Advanced Precision Agriculture (3)

Grand Total Credits: **58 - 71**

Minimum Credential Hours

120

Specialization Contact Information

Department of Agricultural Science 212 Oakley Applied Science South (270) 809-3327

Default Advisor

R. Morrow

Agricultural Science (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Agricultural Science/Agribusiness Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Agricultural Science (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Agricultural Science/Agribusiness Track

Degree

BSA: Bachelor of Science in Agriculture

CIP Code

019999

Specialization Level

Undergraduate

Department

Agricultural Science

College

Hutson School of Agriculture

Specialization Type

Area

Description

Note: This track may be earned via an online format. Contact your advisor for more information.

Graduation Requirements

Note: AGR 199 fulfills both Agriculture Core and a University Studies elective requirement.

Students wishing to qualify for admission to Murray State's Master of Business Administration (MBA) program should chose the following courses as part of the Unrestricted Electives requirement: ACC 201, BAC 355, CIS 443, and MAT 220.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - BIO101 - Biological Concepts (4)
    - ECO230 - Macroeconomics (3)
    - ECO231 - Microeconomics (3)
    - FIN230 - Personal Financial Planning (3)
  - Completed at least 1 of the following:
    - AGR200 - International Agriculture Experience (3)
    - AGR353 - World Food, Agriculture and Society (3)
    - SPA106 - Basic Spanish and Culture for Agriculture (3)
  - Completed at least 1 of the following:
    - CHE105 - Introductory Chemistry (4)
    - CHE210 - Brief Organic Chemistry (3)
  - Completed at least 1 of the following:
    - COM260 - Communication Ethics (3)
    - POL140 - American National Government (3)
  - Completed at least 1 of the following:
    - MAT140 - College Algebra (4)
    - MAT220 - Business Calculus (3)
    - MAT250 - Calculus and Analytic Geometry I (5)

Grand Total Credits: **25 - 28**

Specialization Requirements

- Complete all of the following
  - Agriculture Core Courses:
  - Completed the following:
    - AGR100T - Transitions (1)
    - AGR100 - Animal Science (3)
    - AGR130 - Agricultural Economics (3)
    - AGR133 - Field Applications for Agriculture (2)
  - Completed at least 1 of the following:
    - AGR160 - Horticultural Science (3)
    - AGR240 - Crop Science (3)
  - Completed the following:
    - AGR170 - Introduction to Agricultural Systems Technology (3)
    - AGR199 - Contemporary Issues in Agriculture (3)
    - AGR339 - Computer Applications for Agriculture (3)
    - AGR345 - Soil Science (3)
  - Completed at least 1 of the following:
    - AGR399 - Professional Development Seminar I (1)
    - AGR499 - Leadership/Professional Development Seminar II (1)
  - Completed the following:
    - AGR599 - Agriculture Senior Capstone (1)
  - AgriBusiness Track:
  - Completed the following:
    - ACC200 - Principles of Financial Accounting (3)
    - AGR330 - Principles of Agribusiness Management (3)
    - AGR336 - Agricultural Commodity Marketing (3)
    - AGR337 - Agricultural Sales and Merchandising (3)
    - AGR433 - Farm Management (3)
    - AGR531 - Agricultural Finance (3)
    - AGR552 - Agricultural Policy (3)
  - Completed at least 1 of the following:
    - AGR328 - Statistics for Food and Agriculture (3)

        - STA135 - Introduction to Probability and Statistics (4)
    - Required Support Courses:
    - Complete 1 of the following
        Group
        - Complete 1 of the following
            - Crop Production Emphasis:
            - Completed the following:
                - AGR547 - Crop Management (3)
                - AGR549 - Weeds and their Control (3)
            - Completed at least 3 of the following:
                - AGR455 - Soil Management (3)
                - AGR470 - Soil and Water Engineering (3)
                - AGR471 - Applications in Precision Agriculture (3)
                - AGR542 - Plant Breeding I (3)
                - AGR546 - Integrated Pest Management (3)
                - AGR555 - Advanced Soil Fertility (3)
        - Complete all of the following
            - Entrepreneurship Emphasis:
            - Completed the following:
                - AGR334 - Entrepreneurship in Agribusiness (3)
                - MGT350 - Fundamentals of Management (3)
                - MGT358 - Entrepreneurial Business Plan Development (3)
            - Completed at least 6 credits from the following types of courses:
              Upper-level, advisor approved electives
        - Complete all of the following
            - Global Emphasis:
            - Completed the following:
                - MKT360 - Principles of Marketing (3)
                - MKT568 - Global Marketing Management (3)
            - Complete 3 of the following
                - Completed the following:
                - AGR353 - World Food, Agriculture and Society (3)
                - Completed the following:
                - AGR529 - International Trade and Agriculture (3)
                - Completed the following:
                - AGR533 - Seminar in International Agriculture Systems (3)
                - Completed at least 3 credits from the following types of courses:
                  Global Language
        - Complete all of the following
            - Marketing/Management Emphasis:
            - Completed the following:
                - MGT350 - Fundamentals of Management (3)
                - MKT360 - Principles of Marketing (3)
                - FIN330 - Principles of Finance (3)
            - Completed at least 6 credits from the following types of courses:
              Upper-level, advisor approved electives

Grand Total Credits: **56 - 66**

Minimum Credential Hours

120

Specialization Contact Information

Department of Agricultural Science 212 Oakley Applied Science South (270) 809-3327

Default Advisor

M. Santiago

Agricultural Science (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Agricultural Science/Agricultural Education Certification (5-12) Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Agricultural Science (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Agricultural Science/Agricultural Education Certification (5-12) Track

Degree

BSA: Bachelor of Science in Agriculture

CIP Code

019999

Specialization Level

Undergraduate

Department

Agricultural Science

College

Hutson School of Agriculture

Specialization Type

Area

Graduation Requirements

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, a public speaking course, and AED 380 or equivalent course. Additional requirements for admission to teacher education and student teaching must be met. Students should see their academic advisor or the Office of Teacher Education Services for details.

Note: AGR 199 fulfills both Agriculture Core and a University Studies elective requirement.

AGR 250 should be taken concurrently with EDU 480 and 485 and may be repeated as needed to complete a minimum of 200 clinical hours prior to student teaching.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - AGR199 - Contemporary Issues in Agriculture (3)
    - BIO101 - Biological Concepts (4)
    - CHE105 - Introductory Chemistry (4)
  - Completed at least 1 of the following:
    - AGR200 - International Agriculture Experience (3)
    - AGR353 - World Food, Agriculture and Society (3)
    - SPA106 - Basic Spanish and Culture for Agriculture (3)
  - Completed at least 1 of the following:
    - BIO103 - Saving Planet Earth (3)
    - POL140 - American National Government (3)
  - Completed at least 1 of the following:
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO222 - Botany: Plant Form and Function (4)
    - CHE101 - Consumer Chemistry (4)
    - EES199 - Earth Science (4)
  - Completed at least 1 of the following:
    - MAT140 - College Algebra (4)
    - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **25**

Specialization Requirements

- Complete all of the following
  - Agriculture Core Courses:
  - Completed the following:
    - AGR100T - Transitions (1)
    - AGR100 - Animal Science (3)
    - AGR130 - Agricultural Economics (3)
    - AGR133 - Field Applications for Agriculture (2)
  - Completed at least 1 of the following:
    - AGR160 - Horticultural Science (3)
    - AGR240 - Crop Science (3)
  - Completed the following:
    - AGR170 - Introduction to Agricultural Systems Technology (3)
    - AGR199 - Contemporary Issues in Agriculture (3)
    - AGR339 - Computer Applications for Agriculture (3)
    - AGR345 - Soil Science (3)
  - Completed at least 1 of the following:
    - AGR399 - Professional Development Seminar I (1)
    - AGR499 - Leadership/Professional Development Seminar II (1)
  - Completed the following:
    - AGR599 - Agriculture Senior Capstone (1)
  - Agricultural Education Track:
  - Completed the following:
    - AED104 - Ag Education, Leadership and Life Knowledge (3)
    - AGR360 - Greenhouse Production and Management (3)
  - Completed at least 1 of the following:
    - AGR337 - Agricultural Sales and Merchandising (3)
    - AGR433 - Farm Management (3)
  - Completed the following:
    - AGR372 - Agricultural Metal Processes (3)
    - AGR570 - AG Systems Technology Lab Management (3)

- Completed at least 1 of the following:
  - AGR361 - Horticulture and Greenhouse Management Practicum (3)
  - AGR362 - Floral Design (3)
  - AGR368 - Landscape Construction (3)
  - AGR461 - Plant Propagation (3)
- Completed at least 1 of the following:
  - AGR300 - Principles of Animal Nutrition (3)
  - AGR301 - Livestock Judging and Evaluation (3)
  - AGR302 - Horse Science (3)
  - AGR311 - Beef Science (3)
  - AGR326 - Swine Science (3)
- Completed at least 3 credits from the following types of courses:
  Advisor approved 300-400 level AGR elective
- Required Support Courses:
- Completed the following:
  - AED250 - Special Problems in Agricultural Education (1)
- Earned a minimum grade of B in each of the following:
  - AED380 - Agricultural Education, Extension and Leadership (3)
  - AED501 - Methods in Teaching Agricultural Education (3 - 6)
  - EDU180 - Exploring the Teaching Profession (3)
  - EDU280 - Educating for Human Development (3)
  - EDU380 - Inclusive Teaching of Diverse Learners (3)
  - EDU480 - Effective Pedagogy (2)
  - EDU485 - Professional Perspectives for Teaching (1)
- Completed the following:
  - SEC421 - Student Teaching in the Secondary School (7 - 14)

Grand Total Credits: **76 - 86**

Minimum Credential Hours

120

Specialization Contact Information

Department of Agricultural Science 212 Oakley Applied Science South (270) 809-3327

Default Advisor

K. Bellah

Agricultural Science (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Agricultural Science/Agricultural Systems Technology Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Agricultural Science (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Agricultural Science/Agricultural Systems Technology Track

Degree

BSA: Bachelor of Science in Agriculture

CIP Code

019999

Specialization Level

Undergraduate

Department

Agricultural Science

College

Hutson School of Agriculture

Specialization Type

Area

Graduation Requirements

Note: AGR 199 fulfills both Agriculture Core and a University Studies elective requirement.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - AGR199 - Contemporary Issues in Agriculture (3)
    - BIO101 - Biological Concepts (4)
    - CHE105 - Introductory Chemistry (4)
  - Completed at least 1 of the following:
    - AGR200 - International Agriculture Experience (3)
    - AGR353 - World Food, Agriculture and Society (3)
    - SPA106 - Basic Spanish and Culture for Agriculture (3)
  - Completed at least 1 of the following:
    - MAT130 - Technical Math I (5)
    - MAT140 - College Algebra (4)
  - Complete 1 of the following
    - Completed the following:
      - CHE210 - Brief Organic Chemistry (3)
      - CHE215 - Brief Organic Chemistry Laboratory (1)
    - Completed the following:
      - EES199 - Earth Science (4)
    - Completed the following:
      - PHY130 - General Physics I (3)

Grand Total Credits: **21 - 23**

Specialization Requirements

- Complete all of the following
  - Agriculture Core Courses:
  - Completed the following:
    - AGR100T - Transitions (1)
    - AGR100 - Animal Science (3)
    - AGR130 - Agricultural Economics (3)
    - AGR133 - Field Applications for Agriculture (2)
  - Completed at least 1 of the following:
    - AGR160 - Horticultural Science (3)
    - AGR240 - Crop Science (3)
  - Completed the following:
    - AGR170 - Introduction to Agricultural Systems Technology (3)
    - AGR199 - Contemporary Issues in Agriculture (3)
    - AGR339 - Computer Applications for Agriculture (3)
    - AGR345 - Soil Science (3)
  - Completed at least 1 of the following:
    - AGR399 - Professional Development Seminar I (1)
    - AGR499 - Leadership/Professional Development Seminar II (1)
  - Completed the following:

        - AGR599 - Agriculture Senior Capstone (1)
    - Agriculture Systems Technology Track:
    - Completed the following:
        - AGR371 - Agricultural Buildings and Construction (3)
        - AGR372 - Agricultural Metal Processes (3)
        - AGR377 - Agriculture Safety (3)
    - Completed at least 1 of the following:
        - AGR477 - Agricultural Power Units (3)
        - AGR577 - Tractor Power Principles (3)
    - Earned at least 3 credits from AGR
    - Earned at least 9 credits from the following:
        - AGR379 - Field Equipment Technology Management (3)
        - AGR470 - Soil and Water Engineering (3)
        - AGR471 - Applications in Precision Agriculture (3)
        - AGR488 - Cooperative Education/Internship (1 - 3)
        - AGR489 - Cooperative Education/Internship (1 - 3)
        - AGR551 - Selected Studies in Agriculture (1 - 3)
        - AGR570 - AG Systems Technology Lab Management (3)
        - AGR571 - Advanced Precision Agriculture (3)
        - AGR572 - Advanced Metal Work (3)
        - AGR573 - Agricultural Processing System (3)
        - AGR574 - Agricultural Irrigation and Water Systems (3)
        - AGR575 - Combine and Grain Handling Systems (3)
        - AGR576 - Agricultural Electrification (3)
        - AGR578 - Research and Development of Agriculture Tractors and Equipment (3)
    - Support Courses:
    - Complete all of the following
        - Earned at least 6 credits from the following:
            - AGR471 - Applications in Precision Agriculture (3)
            - AGR488 - Cooperative Education/Internship (1 - 3)
        - Earned at least 6 credits from the following:
            - AGR489 - Cooperative Education/Internship (1 - 3)
            - AGR571 - Advanced Precision Agriculture (3)
            - CMA107 - Introduction to Technical Drawing and Computer Aided Drafting (4)
            - EGD102 - CAD Applications (3)
            - EGD104 - Computer Aided Design (4)
            - EGD330 - Machine Tool Processes (4)
            - EMT110 - Electrical Systems I (4)

Grand Total Credits: **62**

Minimum Credential Hours

120

Specialization Contact Information

Department of Agricultural Science 212 Oakley Applied Science South (270) 809-3327

Default Advisor

W. Hoover

Agricultural Science (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Agricultural Science/Agronomy Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Agricultural Science (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Agricultural Science/Agronomy Track

Degree

BSA: Bachelor of Science in Agriculture

CIP Code

019999

Specialization Level

Undergraduate

Department

Agricultural Science

College

Hutson School of Agriculture

Specialization Type

Area

Graduation Requirements

Note: AGR 199 fulfills both Agriculture Core and a University Studies elective requirement.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - AGR199 - Contemporary Issues in Agriculture (3)
    - BIO222 - Botany: Plant Form and Function (4)
    - CHE105 - Introductory Chemistry (4)
    - CHE210 - Brief Organic Chemistry (3)
    - CHE215 - Brief Organic Chemistry Laboratory (1)
    - EES199 - Earth Science (4)
    - MAT140 - College Algebra (4)
  - Completed at least 1 of the following:
    - AGR200 - International Agriculture Experience (3)
    - AGR353 - World Food, Agriculture and Society (3)
    - SPA106 - Basic Spanish and Culture for Agriculture (3)
  - Completed at least 1 of the following:
    - BIO103 - Saving Planet Earth (3)
    - POL140 - American National Government (3)

Grand Total Credits: **29**

Specialization Requirements

- Complete all of the following
  - Agriculture Core Courses:
  - Completed the following:
    - AGR100T - Transitions (1)
    - AGR100 - Animal Science (3)
    - AGR130 - Agricultural Economics (3)
    - AGR133 - Field Applications for Agriculture (2)
  - Completed at least 1 of the following:
    - AGR160 - Horticultural Science (3)
    - AGR240 - Crop Science (3)
  - Completed the following:
    - AGR170 - Introduction to Agricultural Systems Technology (3)

        - AGR199 - Contemporary Issues in Agriculture (3)
        - AGR339 - Computer Applications for Agriculture (3)
        - AGR345 - Soil Science (3)
    - Completed at least 1 of the following:
        - AGR399 - Professional Development Seminar I (1)
        - AGR499 - Leadership/Professional Development Seminar II (1)
    - Completed the following:
        - AGR599 - Agriculture Senior Capstone (1)
    - Agronomy Track:
    - Completed the following:
        - AGR346 - Soil Science Laboratory (1)
        - AGR378 - Agricultural Environmental Management Systems (3)
        - AGR455 - Soil Management (3)
        - AGR470 - Soil and Water Engineering (3)
        - AGR471 - Applications in Precision Agriculture (3)
        - AGR542 - Plant Breeding I (3)
        - AGR546 - Integrated Pest Management (3)
        - AGR547 - Crop Management (3)
        - AGR549 - Weeds and their Control (3)
    - Required Support Courses:
    - Complete 1 of the following
        - Complete all of the following
            - Practicum Emphasis:
            - Completed the following:
                - AGR498 - Agronomy Practicum (12)
            - Completed at least 1 of the following:
                - AGR330 - Principles of Agribusiness Management (3)
                - AGR433 - Farm Management (3)
                - AGR571 - Advanced Precision Agriculture (3)
        - Complete all of the following
            - Research Emphasis:
            - Completed the following:
                - AGR328 - Statistics for Food and Agriculture (3)
                - AGR571 - Advanced Precision Agriculture (3)
                - BIO300 - Introductory Microbiology (4)
            - Completed at least 5 credits from the following types of courses: Agronomy Advisor Approved Research Electives
        - Complete all of the following
            - Sales/Production Emphasis:
            - Completed the following:
                - AGR330 - Principles of Agribusiness Management (3)
                - AGR333 - Agribusiness Records and Analysis (3)
                - AGR433 - Farm Management (3)
            - Completed at least 1 of the following:
                - AGR336 - Agricultural Commodity Marketing (3)
                - AGR337 - Agricultural Sales and Merchandising (3)
            - Completed at least 3 credits from the following types of courses: Agronomy Advisor Approved Elective

Grand Total Credits: **66**

Minimum Credential Hours

120

Specialization Contact Information

Department of Agricultural Science 212 Oakley Applied Science South (270) 809-3327

Default Advisor

D. Ferguson

Agricultural Science (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Agricultural Science/Horticulture Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Agricultural Science (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Agricultural Science/Horticulture Track

Degree

BSA: Bachelor of Science in Agriculture

CIP Code

019999

Specialization Level

Undergraduate

Department

Agricultural Science

College

Hutson School of Agriculture

Specialization Type

Area

Graduation Requirements

Note: AGR 199 fulfills both Agriculture Core and a University Studies elective requirement.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - AGR199 - Contemporary Issues in Agriculture (3)
    - BIO222 - Botany: Plant Form and Function (4)
    - MAT140 - College Algebra (4)
  - Completed at least 1 of the following:
    - AGR200 - International Agriculture Experience (3)
    - AGR353 - World Food, Agriculture and Society (3)
    - SPA106 - Basic Spanish and Culture for Agriculture (3)
  - Completed at least 1 of the following:
    - CHE101 - Consumer Chemistry (4)
    - CHE105 - Introductory Chemistry (4)
  - Complete 1 of the following
    - Completed the following:
      - CHE210 - Brief Organic Chemistry (3)
      - CHE215 - Brief Organic Chemistry Laboratory (1)
    - Completed the following:
      - EES199 - Earth Science (4)

Grand Total Credits: **22**

Specialization Requirements

- Complete all of the following
  - Agriculture Core Courses:
  - Completed the following:
    - AGR100T - Transitions (1)
    - AGR100 - Animal Science (3)
    - AGR130 - Agricultural Economics (3)
    - AGR133 - Field Applications for Agriculture (2)
  - Completed at least 1 of the following:
    - AGR160 - Horticultural Science (3)
    - AGR240 - Crop Science (3)
  - Completed the following:
    - AGR170 - Introduction to Agricultural Systems Technology (3)
    - AGR199 - Contemporary Issues in Agriculture (3)
    - AGR339 - Computer Applications for Agriculture (3)
    - AGR345 - Soil Science (3)
  - Completed at least 1 of the following:
    - AGR399 - Professional Development Seminar I (1)
    - AGR499 - Leadership/Professional Development Seminar II (1)
  - Completed the following:
    - AGR599 - Agriculture Senior Capstone (1)
  - Horticulture Track:
  - Completed the following:
    - AGR263 - Woody Plant Materials I (2)
    - AGR346 - Soil Science Laboratory (1)
    - AGR360 - Greenhouse Production and Management (3)
  - Completed at least 1 of the following:
    - AGR361 - Horticulture and Greenhouse Management Practicum (3)
    - AGR460 - Professional Experience in HC (3)
  - Completed the following:
    - AGR363 - Woody Plant Materials II (2)
    - AGR365 - Herbaceous Plant Materials (2)
  - Completed at least 1 of the following:
    - AGR367 - Residential Landscape Design (3)
    - AGR462 - Fine Turf Management (3)
    - AGR563 - Arboriculture (3)
  - Completed the following:
    - AGR461 - Plant Propagation (3)
  - Earned at least 6 credits from AGR

Grand Total Credits: **51**

Minimum Credential Hours

120

Specialization Contact Information

Department of Agricultural Science 212 Oakley Applied Science South (270) 809-3327

Default Advisor

R. Morrow

Agriculture (MS: Master of Science)

Program Name

Agriculture

Degree

MS: Master of Science

CIP Code

019999

Program Level

Graduate

Department

Agricultural Science

College

Hutson School of Agriculture

Graduate Program Type

Graduate Degree

Description

Note: This master's degree may be earned via an online format. Contact the graduate coordinator for more information.

The Master of Science in Agriculture provides concentrations in agribusiness economics, agricultural education, sustainable agriculture, and veterinary hospital management. Please contact the graduate coordinator for details.

Requirements for Admission

Applicants must meet all Murray State University requirements (see *Graduate Admissions*). The status (conditional/unconditional) of an applicant must be determined before the student enrolls in the first class. Additional requirements for unconditional and conditional admission are as follows.

Unconditional

For unconditional admission, students must meet both of the following requirements:
•An overall grade point average (GPA) of 3.0 in the last 60 hours of undergraduate work; and
•The equivalent of an undergraduate area or major in agriculture is required.

Conditional

Students may be conditionally admitted according to the following requirements:
•An undergraduate GPA of at least 2.75 or a GPA of 3.0 in the last 60 hours of undergraduate work; and
•In some cases, students without the undergraduate area or major may be admitted on the condition of significant agricultural work experience and/or complete prerequisites consisting of at least the undergraduate agriculture core courses in a respective field. The plan of study must be approved by the advisor and graduate coordinator and may allow the taking of a combination of undergraduate/graduate courses concurrently.

Upon completion of nine hours of graduate work, a student admitted conditionally must have a 3.0 GPA or the student will be dropped from the program. A graduate student dropped for academic reasons may reapply after withdrawal from the graduate program for one semester. Readmission decisions will be made according to the recommendation of an appointed graduate admissions committee.

Graduation Requirements

Other Degree Requirements for Thesis Track

Comprehensive written examination over coursework

Note: Capstone Seminar must be taken during the last semester of enrollment. Each student will be expected to prepare and present one seminar based on their thesis project.

Other Degree Requirements for Non-Thesis Track

Comprehensive written examination, oral examination, and research presentation.

Research course must include a creative component or significant research report.

Note: Capstone Seminar must be taken during the last semester of enrollment. Each student will be expected to prepare and present one seminar based on their thesis project.

Program Requirements

- Complete 1 of the following
  - Complete all of the following
    - Thesis Requirements:
    - Completed the following:
      - AGR686 - Training and Presentation Development Strategies for Agricultural Audiences (3)
      - AGR713 - Graduate Computer Applications (3)
      - AGR720 - Experimental Design and Statistical Analysis (3)
      - AGR722 - Graduate Capstone Seminar (1)
      - AGR735 - Research Methodology (3)
      - AGR798 - Thesis (3)
      - AGR799 - Thesis (3)
    - Specialty:
    - Completed at least 12 credits from the following types of courses:
      600- or 700-level, chosen in consultation with faculty advisor from courses that effectively archieve the student's educational goals
  - Complete all of the following
    - Non-Thesis Requirements:
    - Completed the following:
      - AGR686 - Training and Presentation Development Strategies for Agricultural Audiences (3)
      - AGR700 - Research in Agriculture (1 - 3)
      - AGR713 - Graduate Computer Applications (3)
      - AGR720 - Experimental Design and Statistical Analysis (3)
      - AGR722 - Graduate Capstone Seminar (1)
      - AGR735 - Research Methodology (3)
    - Specialty:
    - Completed at least 15 credits from the following types of courses:
      600- or 700-level, approved by faculty advisor. The specialty area courses may be chosen, in consultation with an advisor, from courses that most effectively achieve the student's educational goals.

Grand Total Credits: **29 - 31**

Minimum Credential Hours

30

Program Contact Information

Hutson School of Agriculture - Graduate Coordinator 216S Oakley Applied Science Building (270) 809-6925

Default Advisor

B. Parr

Agriculture (MS: Master of Science) - Agriculture/Agribusiness Economics Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Agriculture (MS: Master of Science) - Agriculture/Agribusiness Economics Concentration

Degree

MS: Master of Science

CIP Code

019999

Specialization Level

Graduate

Department

Agricultural Science

College

Hutson School of Agriculture

Graduation Requirements

Advisors may approve substitutions to non-core courses in special situations or to better align coursework with the student's professional goals. Students should consult with their advisor to identify appropriate online courses among the following prefixes: ACC, AGR, COM, ECO, FIN, MGT, or MKT. Note: No more than two classes from ACC, ECO, FIN, MGT, or MKT may be taken.

Research course must include a creative or scholarly component that will be presented as part of a student's final oral presentation.

Research Methodology can be substituted with AED 735.

Cooperative Education course must be related to agribusiness and approved by advisor prior to enrollment.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - AGR686 - Training and Presentation Development Strategies for Agricultural Audiences (3)
    - AGR700 - Research in Agriculture (1 - 3)
    - AGR713 - Graduate Computer Applications (3)
    - AGR720 - Experimental Design and Statistical Analysis (3)
    - AGR722 - Graduate Capstone Seminar (1)
    - AGR735 - Research Methodology (3)
  - Agribusiness Economics Concentration:
  - Earned at least 12 credits from the following:
    - AGR628 - Agriculture, Food and Rural Law (3)
    - AGR631 - Agricultural Finance (3)
    - AGR652 - Agricultural Policy (3)
    - AGR739 - Agribusiness Management (3)
    - AGR744 - Graduate Cooperative Education (3)

Grand Total Credits: **26 - 28**

Minimum Credential Hours

30

Specialization Contact Information

Hutson School of Agriculture - Graduate Coordinator 216S Oakley Applied Science Building (270) 809-6925

Default Advisor

B. Parr

Agriculture (MS: Master of Science) - Agriculture/Agricultural Education Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Agriculture (MS: Master of Science) - Agriculture/Agricultural Education Concentration

Degree

MS: Master of Science

CIP Code

019999

Specialization Level

Graduate

Department

Agricultural Science

College

Hutson School of Agriculture

Graduation Requirements

Advisors may approve substitutions to non-core courses in special situations or to better align coursework with the student's professional goals. Students should consult with their advisor to identify appropriate online courses among the following prefixes: AGR, COM, CTE, EDU, or NLS.

Capstone course must be taken during the semester of graduation.

Research Methodology can be substituted with AED 735.

AED 684 is intended for current secondary agriculture teachers. Kentucky teachers should enroll in the fall following completion of the first year of teaching.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - AGR686 - Training and Presentation Development Strategies for Agricultural Audiences (3)
    - AGR700 - Research in Agriculture (1 - 3)
    - AGR713 - Graduate Computer Applications (3)
    - AGR720 - Experimental Design and Statistical Analysis (3)
    - AGR722 - Graduate Capstone Seminar (1)
    - AGR735 - Research Methodology (3)
  - Agricultural Education Concentration:
  - Earned at least 12 credits from the following:
    - AED682 - Instructional Design for Agricultural Education (3)
    - AED683 - Instructional Material in Agricultural Education (3)
    - AED684 - Beginning Teacher Workshop (1 - 2)
    - AED685 - Teaching Adults in Agriculture (3)
    - AED735 - Qualitative Inquiry in Agricultural Education (3)

Grand Total Credits: **26 - 28**

Minimum Credential Hours

30

Specialization Contact Information

Hutson School of Agriculture - Graduate Coordinator 216S Oakley Applied Science Building (270) 809-6925

Default Advisor

B. Parr

Agriculture (MS: Master of Science) - Agriculture/Sustainable Agriculture Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Agriculture (MS: Master of Science) - Agriculture/Sustainable Agriculture Concentration

Degree

MS: Master of Science

CIP Code

019999

Specialization Level

Graduate

Department

Agricultural Science

College

Hutson School of Agriculture

Graduation Requirements

Advisors may approve substitutions to non-core courses in special situations or to better align coursework with the student's professional goals. Students should consult with their advisor to identify appropriate online courses among the following prefixes: AED, AGR, EES, WSC.

Capstone course must be taken during the semester of graduation.

Cooperative Education course experience must be related to sustainable agriculture and approved by advisor prior to enrollment.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - AGR686 - Training and Presentation Development Strategies for Agricultural Audiences (3)
    - AGR700 - Research in Agriculture (1 - 3)
    - AGR713 - Graduate Computer Applications (3)
    - AGR720 - Experimental Design and Statistical Analysis (3)
    - AGR722 - Graduate Capstone Seminar (1)
    - AGR735 - Research Methodology (3)
  - Sustainable Agriculture Concentration:
  - Earned at least 12 credits from the following:
    - AGR655 - Advanced Soil Fertility (3)
    - AGR661 - Sustainable Agriculture (3)
    - AGR662 - Principles of Agroecology (3)
    - AGR671 - Advanced Precision Agriculture (3)
    - AGR744 - Graduate Cooperative Education (3)

Grand Total Credits: **26 - 28**

Minimum Credential Hours

30

Specialization Contact Information

Hutson School of Agriculture - Graduate Coordinator 216S Oakley Applied Science Building (270) 809-6925

Default Advisor

B. Parr

Agriculture (MS: Master of Science) - Agriculture/Veterinary Hospital Management Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Agriculture (MS: Master of Science) - Agriculture/Veterinary Hospital Management Concentration

Degree

MS: Master of Science

CIP Code

019999

Specialization Level

Graduate

Department

Agricultural Science

College

Hutson School of Agriculture

Graduation Requirements

Students completing this degree will also receive the Veterinary Hospital Management Certificate.

Capstone course must be taken with advisor/committee chair during the semester of graduation.

Students who plan to pursue a terminal degree are encouraged to enroll in AGR 798-799 in lieu of AGR 700.

Specialization Requirements

- Complete 1 of the following
  - Complete all of the following
    - Non-Thesis Requirements:
    - Earned at least 3 credits from the following:
      - AGR700 - Research in Agriculture (1 - 3)
    - Completed the following:
      - AGR686 - Training and Presentation Development Strategies for Agricultural Audiences (3)
      - AGR713 - Graduate Computer Applications (3)
      - AGR720 - Experimental Design and Statistical Analysis (3)
      - AGR722 - Graduate Capstone Seminar (1)
      - AGR735 - Research Methodology (3)
    - Veterinary Hospital Management Concentration:
    - Completed the following:
      - AGR680 - Veterinary Products (3)
      - AGR682 - Veterinary Practice and Operations (3)
      - AGR683 - Veterinary Law and Ethics (3)
      - AGR627 - Modern Issues in Agricultural Leadership (3)
    - Completed at least 3 credits from the following types of courses:
      600- or 700-level elective in AGR, BUS, MGT, MKT, or Human Resources
  - Complete all of the following
    - Thesis Requirements:
    - Earned at least 6 credits from the following:
      - AGR798 - Thesis (3)
      - AGR799 - Thesis (3)
    - Completed the following:
      - AGR713 - Graduate Computer Applications (3)
      - AGR720 - Experimental Design and Statistical Analysis (3)
      - AGR722 - Graduate Capstone Seminar (1)
      - AGR735 - Research Methodology (3)
    - Veterinary Hospital Management Concentration:
    - Completed the following:
      - AGR680 - Veterinary Products (3)
      - AGR682 - Veterinary Practice and Operations (3)
      - AGR683 - Veterinary Law and Ethics (3)
      - AGR627 - Modern Issues in Agricultural Leadership (3)
    - Completed at least 3 credits from the following types of courses:
      600- or 700-level elective in AGR, BUS, MGT, MKT, or Human Resources

Grand Total Credits: **31**

Minimum Credential Hours

30

Specialization Contact Information

Hutson School of Agriculture - Graduate Coordinator 216S Oakley Applied Science Building (270) 809-6925

Default Advisor

B. Parr

Agriculture (Minor)

Program Name

Agriculture

Degree

Minor

Program Level

Undergraduate

Department

Agricultural Science

College

Hutson School of Agriculture

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Completed at least 21 credits from the following types of courses:
  Program must be approved by an advisor

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Hutson School of Agriculture - Graduate Coordinator 216S Oakley Applied Science Building (270) 809-6925

Default Advisor

Dept Chair

Animal Science (Minor)

Program Name

Animal Science

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Animal and Equine Science

College

Hutson School of Agriculture

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

AGR 100 is required if a student is not enrolled in an area/major within the Hutson School of Agriculture.

Program Requirements

- Complete all of the following
  - Completed the following:
    - AGR100 - Animal Science (3)
    - AGR300 - Principles of Animal Nutrition (3)
    - AGR323 - Livestock Structure and Function (3)
    - AGR375 - Animal Emergency Preparedness (3)
    - AGR505 - Domestic Livestock Reproduction (3)
  - Students who do not have an area/major within the HSOA must select the option for two courses from the choices below. Students with an area/major within the HSOA must select the option for three courses from the choices below.
  - Complete 1 of the following
    - Completed at least 2 of the following:
      - AGR302 - Horse Science (3)
      - AGR311 - Beef Science (3)
      - AGR314 - Small Ruminant Science (3)
      - AGR321 - Poultry Science (3)
      - AGR326 - Swine Science (3)
      - AGR327 - Meat Science (3)
    - Completed at least 3 of the following:
      - AGR302 - Horse Science (3)
      - AGR311 - Beef Science (3)
      - AGR314 - Small Ruminant Science (3)
      - AGR321 - Poultry Science (3)
      - AGR326 - Swine Science (3)
      - AGR327 - Meat Science (3)

Grand Total Credits: **21 - 24**

Minimum Credential Hours

21

Program Contact Information

Department of Animal and Equine Science 212 Oakley Applied Science South (270) 809-3327

Default Advisor

C. Porr

Animal Technology/Animal/Equine Science Track (BSA: Bachelor of Science in Agriculture)

Program Name

Animal Technology/Animal/Equine Science Track

Degree

BSA: Bachelor of Science in Agriculture

CIP Code

018301

Program Level

Undergraduate

Department

Animal and Equine Science

College

Hutson School of Agriculture

Undergraduate Program Type

Area

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - AGR199 - Contemporary Issues in Agriculture (3)
    - MAT140 - College Algebra (4)
  - Completed at least 1 of the following:
    - BIO101 - Biological Concepts (4)
    - BIO221 - Zoology: Animal Form and Function (4)
  - Completed at least 1 of the following:
    - CHE101 - Consumer Chemistry (4)
    - CHE105 - Introductory Chemistry (4)
    - CHE201 - General College Chemistry (5)
  - Complete 1 of the following
    - Completed the following:
      - CHE210 - Brief Organic Chemistry (3)
      - CHE215 - Brief Organic Chemistry Laboratory (1)
    - Completed the following:
      - CHE202 - General Chemistry and Qualitative Analysis (5)
    - Completed the following:
      - EES101 - The Earth and the Environment (4)
    - Completed the following:
      - EES102 - Earth Through Time (4)
    - Completed the following:
      - EES199 - Earth Science (4)

Grand Total Credits: **19 - 21**

Program Requirements

- Complete all of the following
  - Agriculture Core Courses:
  - Completed the following:
    - AGR100T - Transitions (1)
    - AGR100 - Animal Science (3)
    - AGR300 - Principles of Animal Nutrition (3)
    - AGR310 - Applications in Animal Technology (3)

        - AGR339 - Computer Applications for Agriculture (3)
        - AGR399 - Professional Development Seminar I (1)
        - AGR504 - Diseases of Livestock (3)
        - AGR599 - Agriculture Senior Capstone (1)
    - Completed at least 1 of the following:
        - AGR170 - Introduction to Agricultural Systems Technology (3)
        - AGR377 - Agriculture Safety (3)
        - AGR375 - Animal Emergency Preparedness (3)
    - Completed at least 1 of the following:
        - AGR403 - Equine Reproduction (3)
        - AGR423 - Artificial Insemination Techniques for Cattle (3)
        - AGR506 - Reproductive Physiology (3)
    - Required Emphasis Courses:
    - Complete 1 of the following
        - Complete all of the following
            - Food Animal Emphasis:
            - Completed the following:
                - AGR130 - Agricultural Economics (3)
                - AGR133 - Field Applications for Agriculture (2)
                - AGR240 - Crop Science (3)
                - AGR345 - Soil Science (3)
            - Completed at least 2 of the following:
                - AGR311 - Beef Science (3)
                - AGR321 - Poultry Science (3)
                - AGR324 - Veterinary Diagnostic Imaging (3)
                - AGR326 - Swine Science (3)
            - Completed at least 1 of the following:
                - AGR301 - Livestock Judging and Evaluation (3)
                - AGR313 - Livestock Production Management Systems (3)
                - AGR320 - Livestock Behavioral Analysis (3)
                - AGR402 - Advanced Livestock Judging (3)
            - Completed at least 1 of the following:
                - AGR502 - Advanced Nutrition (3)
                - AGR503 - Genetics and Animal Breeding (3)
                - AGR512 - Beef Cattle Management Systems (3)
        - Complete all of the following
            - Equine Business Management Emphasis:
            - Completed at least 1 of the following:
                - AGR101 - Basic Stock Seat Horsemanship (3)
                - AGR111 - Basic Forward Seat Equitation (3)
            - Completed the following:
                - AGR130 - Agricultural Economics (3)
                - AGR133 - Field Applications for Agriculture (2)
                - AGR201 - Intermediate Horsemanship (3)
                - AGR302 - Horse Science (3)
            - Completed at least 1 of the following:
                - AGR309 - Equine Facility Management (3)
                - AGR317 - Equine Health Care and Management (3)
            - Completed at least 1 of the following:
                - AGR318 - Equine Forage Management (3)
                - AGR319 - Equine Nutrition and Feeding (3)
            - Completed at least 1 of the following:
                - AGR304 - Advanced Stock Seat (3)
                - AGR306 - Advanced Forward Seat (3)
                - AGR405 - Equine Behavior Modification (3)
                - AGR514 - Teaching Methods in Animal/Equine Science (3)
        - Complete all of the following

            - Equine Science Emphasis:
            - Completed at least 1 of the following:
                - AGR101 - Basic Stock Seat Horsemanship (3)
                - AGR111 - Basic Forward Seat Equitation (3)
            - Completed the following:
                - AGR130 - Agricultural Economics (3)
                - AGR302 - Horse Science (3)
                - AGR303 - Advanced Horse Science (3)
            - Completed at least 1 of the following:
                - AGR309 - Equine Facility Management (3)
                - AGR317 - Equine Health Care and Management (3)
            - Completed the following:
                - AGR315 - Equine Exercise Physiology (3)
            - Completed at least 1 of the following:
                - AGR318 - Equine Forage Management (3)
                - AGR319 - Equine Nutrition and Feeding (3)
            - Completed the following:
                - AGR407 - Equine Selection and Evaluation (3)
    - Required Support Courses: Choose the following support courses for the equine business management or equine science emphasis only:
    - Complete 1 of the following
        - Complete all of the following
            - Equine Management:
            - Completed the following:
                - AGR330 - Principles of Agribusiness Management (3)
                - AGR333 - Agribusiness Records and Analysis (3)
                - AGR433 - Farm Management (3)
                - MGT350 - Fundamentals of Management (3)
        - Complete all of the following
            - Equine Science:
            - Completed the following:
                - AGR133 - Field Applications for Agriculture (2)
                - AGR240 - Crop Science (3)
                - AGR345 - Soil Science (3)
                - AGR328 - Statistics for Food and Agriculture (3)

Grand Total Credits: **58 - 60**

Minimum Credential Hours

120

Program Contact Information

Department of Animal and Equine Science 212 Oakley Applied Science South (270) 809-3327

Default Advisor

C. Porr

Animal Technology/Pre-Veterinary Medicine Track (BSA: Bachelor of Science in Agriculture)

Program Name

Animal Technology/Pre-Veterinary Medicine Track

Degree

BSA: Bachelor of Science in Agriculture

CIP Code

018301

Program Level

Undergraduate

Department

Veterinary Technology and Pre-Veterinary Medicine

College

Hutson School of Agriculture

Undergraduate Program Type

Area

Accreditations

American Veterinary Medical Association (AVMA)

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - BIO101 - Biological Concepts (4)
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - CIV201 - World Civilizations I (3)
    - CIV202 - World Civilizations II (3)
    - MAT150 - Algebra and Trigonometry (5)
    - PSY180 - General Psychology (3)
  - Completed at least 1 of the following:
    - PHI202 - Ethics (3)
    - POL140 - American National Government (3)

Grand Total Credits: **31**

Program Requirements

- Complete all of the following
  - Agriculture Core Courses:
  - Completed the following:
    - AGR100T - Transitions (1)
    - AGR100 - Animal Science (3)
    - AGR300 - Principles of Animal Nutrition (3)
    - AGR310 - Applications in Animal Technology (3)
    - AGR339 - Computer Applications for Agriculture (3)
    - AGR399 - Professional Development Seminar I (1)
    - AGR504 - Diseases of Livestock (3)
    - AGR599 - Agriculture Senior Capstone (1)
  - Completed at least 1 of the following:
    - AGR170 - Introduction to Agricultural Systems Technology (3)
    - AGR375 - Animal Emergency Preparedness (3)
    - AGR377 - Agriculture Safety (3)
  - Completed at least 1 of the following:
    - AGR403 - Equine Reproduction (3)
    - AGR423 - Artificial Insemination Techniques for Cattle (3)
    - AGR506 - Reproductive Physiology (3)
  - Pre-Veterinary Medicine Track:
  - Completed the following:
    - AGR322 - Introductory Veterinary Laboratory I (4)
    - AGR324 - Veterinary Diagnostic Imaging (3)
    - AGR332 - Veterinary Nursing (3)
    - AGR510 - Animal Physiology (3)
    - AGR550 - Applied Pharmacology (3)
    - BIO300 - Introductory Microbiology (4)
  - Completed at least 1 of the following:
    - AGR489 - Cooperative Education/Internship (1 - 3)
    - AGR590 - Internship in Animal Technology (3 - 6)
  - Required Support Courses:
  - Completed the following:
    - AGR331 - Small Animal Diseases (3)
    - BIO221 - Zoology: Animal Form and Function (4)
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - CHE320 - Organic Chemistry II (3)
    - CHE330 - Basic Biochemistry (3)
    - PHY130 - General Physics I (3)
    - PHY131 - General Physics I Laboratory (1)
    - BIO321 - Cell Biology: Mechanisms (3)

Grand Total Credits: **70 - 75**

Minimum Credential Hours

120

Program Contact Information

Department of Veterinary Technology and Pre-Veterinary Medicine A. Carman Animal Health Technology Center
(270) 809-7001

Default Advisor

W. DeWees

Animal Technology/Veterinary Technology Track (BSA: Bachelor of Science in Agriculture)

Program Name

Animal Technology/Veterinary Technology Track

Degree

BSA: Bachelor of Science in Agriculture

CIP Code

018301

Program Level

Undergraduate

Department

Veterinary Technology and Pre-Veterinary Medicine

College

Hutson School of Agriculture

Undergraduate Program Type

Area

Accreditations

American Veterinary Medical Association (AVMA)

Specifically Required University Studies

- Completed the following:
  - AGR199 - Contemporary Issues in Agriculture (3)
  - BIO101 - Biological Concepts (4)
  - CHE105 - Introductory Chemistry (4)
  - CHE210 - Brief Organic Chemistry (3)
  - CHE215 - Brief Organic Chemistry Laboratory (1)
  - MAT140 - College Algebra (4)

Grand Total Credits: **19**

Program Requirements

- Complete all of the following
  - Agriculture Core Courses:
  - Completed the following:
    - AGR100T - Transitions (1)
    - AGR100 - Animal Science (3)
    - AGR300 - Principles of Animal Nutrition (3)
    - AGR310 - Applications in Animal Technology (3)
    - AGR339 - Computer Applications for Agriculture (3)
    - AGR399 - Professional Development Seminar I (1)
    - AGR504 - Diseases of Livestock (3)
    - AGR599 - Agriculture Senior Capstone (1)
  - Completed at least 1 of the following:
    - AGR170 - Introduction to Agricultural Systems Technology (3)
    - AGR375 - Animal Emergency Preparedness (3)
    - AGR377 - Agriculture Safety (3)
  - Completed at least 1 of the following:
    - AGR403 - Equine Reproduction (3)
    - AGR423 - Artificial Insemination Techniques for Cattle (3)
    - AGR506 - Reproductive Physiology (3)
  - Veterinary Technology Track:
  - Completed the following:
    - AGR322 - Introductory Veterinary Laboratory I (4)

        - AGR324 - Veterinary Diagnostic Imaging (3)
        - AGR329 - Introductory Veterinary Laboratory II (3)
        - AGR332 - Veterinary Nursing (3)
        - AGR510 - Animal Physiology (3)
        - AGR540 - Veterinary Surgery and Anesthesia (3)
    - Completed at least 1 of the following:
        - AGR489 - Cooperative Education/Internship (1 - 3)
        - AGR590 - Internship in Animal Technology (3 - 6)
    - Required Support Courses:
    - Complete 1 of the following
        - Complete all of the following
            - Veterinary Technology Emphasis:
            - Completed the following:
                - AGR331 - Small Animal Diseases (3)
                - AGR340 - Veterinary Laboratory Sciences (3)
                - AGR400 - Veterinary Microbiology (5)
                - AGR410 - Advanced Veterinary Hematology (4)
                - AGR420 - Veterinary Clinical Chemistry (2)
                - AGR430 - Veterinary Parasitology (2)
                - AGR511 - Animal Anatomy Laboratory (2)
                - AGR550 - Applied Pharmacology (3)
            - Completed at least 6 credits from the following types of courses: Approved Electives
        - Complete all of the following
            - Large Animal Emphasis:
            - Completed the following:
                - AGR313 - Livestock Production Management Systems (3)
                - AGR340 - Veterinary Laboratory Sciences (3)
                - AGR400 - Veterinary Microbiology (5)
                - AGR410 - Advanced Veterinary Hematology (4)
                - AGR420 - Veterinary Clinical Chemistry (2)
                - AGR430 - Veterinary Parasitology (2)
                - AGR511 - Animal Anatomy Laboratory (2)
                - AGR550 - Applied Pharmacology (3)
            - Completed at least 3 credits from the following types of courses: Animal Science or Animal Health Technology Elective
            - Completed at least 1 of the following:
                - AGR302 - Horse Science (3)
                - AGR311 - Beef Science (3)
                - AGR326 - Swine Science (3)
        - Complete all of the following
            - Zoological Animal Health Technology Emphasis:
            - Completed the following:
                - AGR331 - Small Animal Diseases (3)
                - AGR340 - Veterinary Laboratory Sciences (3)
                - AGR400 - Veterinary Microbiology (5)
                - AGR410 - Advanced Veterinary Hematology (4)
                - AGR420 - Veterinary Clinical Chemistry (2)
                - AGR430 - Veterinary Parasitology (2)
                - AGR511 - Animal Anatomy Laboratory (2)
                - AGR550 - Applied Pharmacology (3)
            - Completed at least 3 credits from the following types of courses: Approved Elective
            - Completed at least 1 of the following:
                - BIO570 - Ichthyology (4)
                - BIO572 - Herpetology (4)
                - BIO573 - Ornithology (4)
                - BIO574 - Mammalogy (4)

Grand Total Credits: **74 - 80**

Minimum Credential Hours

120

Program Contact Information

Department of Veterinary Technology and Pre-Veterinary Medicine A. Carman Animal Health Technology Center
(270) 809-7001

Default Advisor

A. Doom

BS/BSA+MS Accelerated Agriculture Program (BA/BS/BSA + MS: Bachelor of Arts/Bachelor of Science/Bachelor of Science in Agriculture + Master of Science)

Program Name

BS/BSA+MS Accelerated Agriculture Program

Degree

BA/BS/BSA + MS: Bachelor of Arts/Bachelor of Science/Bachelor of Science in Agriculture + Master of Science

Program Level

Accelerated Program

Department

Agricultural Science

College

Hutson School of Agriculture

Description

The Accelerated BS/BSA + MS in HSOA allows qualified students to complete requirements for a Bachelor's degree in Agriculture and Master of Science in Agriculture in five years (or 139 credit hours). The objectives for both degrees are those described in the Academic Bulletin. Upon completion of 90 hours of coursework and a 3.0 GPA toward the BS in Agriculture, qualified undergraduate students may apply for admission to the MS program in Agriculture. (See Admission requirements described under the Master of Science in Agriculture in the current Bulletin). Students who qualify may enroll in 12 hours of graduate courses. Upon completing 120 hours, including the appropriate accelerated course requirements, the Bachelor of Science or Bachelor of Science in Agriculture degree will be awarded.

Accelerated undergraduate tracks transitioning to a Master of Science in Agriculture include:

- Animal Technology/Veterinary Technology
- Animal Science
- Agribusiness
- Agricultural Education
- Agricultural Science
- Agricultural Systems Technology
- AgriScience Technology
- Agronomy
- Horticulture

Contact the HSOA for information regarding appropriate courses for students pursuing an accelerated program.

Minimum Credential Hours

139

Program Contact Information

Dr. Kristie Guffey 215 South Applied Science (270) 809-5624

Default Advisor

K. Guffey

Equine Science (Minor)

Program Name

Equine Science

Degree

Minor

Program Level

Undergraduate

Department

Animal and Equine Science

College

Hutson School of Agriculture

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed at least 1 of the following:
    - AGR101 - Basic Stock Seat Horsemanship (3)
    - AGR111 - Basic Forward Seat Equitation (3)
  - Completed the following:
    - AGR201 - Intermediate Horsemanship (3)
    - AGR302 - Horse Science (3)
    - AGR303 - Advanced Horse Science (3)
    - AGR317 - Equine Health Care and Management (3)
  - Completed at least 6 credits from the following types of courses:
    Upper-level Equine Courses

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Animal and Equine Science 212 Oakley Applied Science South (270) 809-3327

Default Advisor

Dept Chair

Golf Course Management (Minor)

Program Name

Golf Course Management

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Agricultural Science

College

Hutson School of Agriculture

Undergraduate Program Type

Minor

Accreditations

The Association to Advance Collegiate Schools of Business (AACSB International)

Graduation Requirements

Six hours must be from upper-level courses.

AGR 460 is taken for two semesters.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ACC200 - Principles of Financial Accounting (3)
    - AGR160 - Horticultural Science (3)
    - AGR345 - Soil Science (3)
    - AGR460 - Professional Experience in HC (3)
    - AGR460 - Professional Experience in HC (3)
    - MGT350 - Fundamentals of Management (3)
  - Completed at least 1 of the following:
    - AGR462 - Fine Turf Management (3)
    - MGT370 - Sports Business (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Management, Marketing and Business Administration 451 Business Building (270) 809-6196 msu.mgtmkt@murraystate.edu

Default Advisor

Dept Chair

Unmanned Aerial Systems (CERT: Certificate)

Program Name

Unmanned Aerial Systems

Degree

CERT: Certificate

CIP Code

490199

Program Level

Undergraduate

Department

Agricultural Science

College

Hutson School of Agriculture

Undergraduate Program Type

Certificate

Description

The market for unmanned aerial applications is a rapidly rising commercial enterprise. The Unmanned Aerial Systems minor and certificate provide students with the knowledge to explore the vast interdisciplinary potential for aircraft drone systems. Aerial/field mapping, agriculture applications, disaster and emergency management, environmental research, law enforcement and photogrammerty, parcel and freight delivery are just a few of the many application fields in this growing technology.

Program Requirements

- Complete all of the following
  - Completed the following:
    - UAS110 - Introduction to Aviation (3)
    - UAS310 - Introduction to Unmanned Aerial Systems Applications (3)
    - UAS410 - Unmanned Aerial Systems Sensors and Data Display (3)
    - UAS480 - Experiential Learning in Unmanned Aerial Systems Technology (3)
  - Approved Electives:
  - Completed at least 3 credits from the following types of courses:
    Selected with advisor approval.

Grand Total Credits: **15**

Minimum Credential Hours

12

Program Contact Information

Hutson School of Agriculture 103 South Oakley Applied Science Building (270) 809-3328

Default Advisor

Dept Chair

Unmanned Aerial Systems (Minor)

Program Name

Unmanned Aerial Systems

Degree

Minor

Program Level

Undergraduate

Department

Agricultural Science

College

Hutson School of Agriculture

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - UAS110 - Introduction to Aviation (3)
    - UAS310 - Introduction to Unmanned Aerial Systems Applications (3)
    - UAS410 - Unmanned Aerial Systems Sensors and Data Display (3)
    - UAS480 - Experiential Learning in Unmanned Aerial Systems Technology (3)
  - Completed at least 9 credits from the following types of courses:
    Approved electives selected with advisor approval

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Hutson School of Agriculture 103 South Oakley Applied Science Building (270) 809-3328

Default Advisor

Dept Chair

Veterinary Hospital Management (CERT: Certificate)

Program Name

Veterinary Hospital Management

Degree

CERT: Certificate

CIP Code

018201

Program Level

Graduate

Department

Veterinary Technology and Pre-Veterinary Medicine

College

Hutson School of Agriculture

Graduate Program Type

Graduate Certificate

Description

The Certificate in Veterinary Hospital Management is designed to complement the undergraduate and graduate professional degree programs. The program's objectives are to provide students with opportunities to expand their knowledge in veterinary technology, to explore the business operation of a veterinary clinic, and to experience how the combination of their academic undergraduate and certificate course work can complement their job search.

Requirements for Admission

Students who hold an undergraduate degree in veterinary technology or are currently enrolled in a graduate program may apply for acceptance to the Certificate in Veterinary Hospital Management program. Persons who already hold a graduate degree may also apply for the program.

Applicants must comply with the Murray State University requirements (see *Graduate Admissions).*

- For unconditional admission, an undergraduate GPA of 3.0 or higher
- For conditional admission, judgment will be determined by probable success based on 1) Graduate Record Examination scores,2) letters of recommendation, and/or 3) other evidence such as a planned program of prerequisite courses

Program Requirements

- Complete all of the following
  - Completed the following:
    - AGR627 - Modern Issues in Agricultural Leadership (3)
    - AGR680 - Veterinary Products (3)
    - AGR682 - Veterinary Practice and Operations (3)
    - AGR683 - Veterinary Law and Ethics (3)
    - AGR713 - Graduate Computer Applications (3)
  - Completed at least 3 credits from the following types of courses:
    Elective in AGR, BUS, MGT, MKT, or human resources

Grand Total Credits: **18**

Minimum Credential Hours

12

Program Contact Information

Department of Veterinary Technology and Pre-Veterinary Medicine A. Carman Animal Health Technology Center (270) 809-7001

Default Advisor

Dept Chair

Interdisciplinary

General Studies (BGS: Bachelor of General Studies)

Program Name

General Studies

Degree

BGS: Bachelor of General Studies

CIP Code

240102

Program Level

Undergraduate

Department

Center for Academic Success

College

Interdisciplinary

Undergraduate Program Type

Area

Description

The Bachelor of General Studies (BGS) is a baccalaureate degree for traditional students with at least 72 hours of consecutive college credits entering their junior or senior year. This program is for students who resolve to obtain a college degree in a timely manner, though different from their previous declared major, and plan to use a college degree to find employment, strengthen future employment opportunities, and reach personal goals. The mission is to prepare undergraduate students for today's ever-changing workforce and to promote skills needed to succeed in a variety of professions.

Admission Requirements

- Complete all of the following
  - Completed at least 72 credits from the following types of courses:
    prior credit
  - Earned a minimum cumulative GPA of 2.00
  - - Must be currently enrolled in the University - Must have a referral from current advisor - Must apply for admission into the program - Must have approval from the BGS Coordinator Limitations: Due to accreditation requirements of the Bauernfeind College of Business, any student who wishes to apply business course credits to the Bachelor of General Studies must consult the BGS coordinator. No more than 30 credit hours in certain Business prefixes will count toward this degree (refer to the Authur J. Bauernfiend College of Business requirements in the academic bulletin). This degree is not designed for students who want or who are required credentials for entry into professional fields that require a specific undergraduate course of study.

Grand Total Credits: **72**

Graduation Requirements

The Bachelor of General Studies degree requires a minimum of 120 credit hours with 15 hours focused on experiential learning and career success, 21 hours of primary focus core courses, and 30 individualized focus. The curriculum aims to develop foundational skills in technology, communication, and financial literacy which will enable graduates to enter, contribute, and thrive in today's workforce. A minimum of 40 credit hours must be taken with Murray State. Additionally, 42 upper-division credits (courses taken at or above the 300-level) must be earned, 15 hours of upper-level classes must come from classes not in University Studies or unrestricted electives, and an overall grade point average (GPA) of 2.0 must be maintained to meet regular graduation requirements.

Program Requirements

- Complete all of the following
  - Completed the following:
    - BGS401 - Career Readiness (3)
  - Earned a minimum grade of C in each of the following:
    - BGS410 - General Studies Capstone (3)
  - Completed at least 1 of the following:
    - COM131 - Introduction to Interpersonal Communication (3)
    - COM201 - Communication Foundations and Theory (3)
    - COM331 - Interpersonal Communication (3)
    - COM340 - Intercultural Communication (3)
    - COM439 - Conflict and Communication (3)
    - COM384 - Communication Skills for Professionals (3)
    - BUS215 - Business Communication (3)
    - ENG204 - Advanced Expository Writing (3)
    - ENG224 - Writing in the Professions (3)
    - ENG324 - Technical Writing (3)
    - JMC168 - Contemporary Mass Media (3)
    - JMC194 - Newswriting (3)
    - JMC391 - Public Relations Principles (3)
    - JMC394 - Introduction to Advertising (3)
    - GCM153 - Electronic Imaging (3)
    - NLS465 - Policy, Legal Issues, and Advocacy for Social Change in Nonprofit Organizations (3)
    - NLS470 - Interpretation of Cultural and Natural Resources (3)
  - Completed at least 1 of the following:
    - CSC199 - Introduction to Information Technology (3)
    - CSC125 - Internet and Web Page Design (3)
    - AGR339 - Computer Applications for Agriculture (3)
    - EDU222 - Instructional Technology (3)
    - JMC270 - Media Production (3)
    - GCM153 - Electronic Imaging (3)
    - COM422 - Communication and Technology (3)
    - ENG204 - Advanced Expository Writing (3)
    - ENG224 - Writing in the Professions (3)
    - ENG324 - Technical Writing (3)
    - NLS410 - Technology Skills for Community Organizations (3)
  - Completed at least 1 of the following:
    - FIN230 - Personal Financial Planning (3)
    - ECO140 - Contemporary Economics (3)
    - FCS241 - Family Economics (3)
    - FCS342 - Consumer Decision Making (3)
    - NLS370 - Philanthropy, NGOs and International Development (3)
    - NLS402 - Financial Resource Management and Fund Development (3)
  - Completed at least 21 credits from the following types of courses:
    Primary Focus: a minimum of 21 hours from one of the following broad disciplines: - Agriculture - Leadership, Commerce - Computers, Engineering, Technology - Education - Fine Arts/Humanities - Health Professions/Human Services - Natural Sciences - Social Sciences
  - Completed at least 30 credits from the following types of courses:
    Individualized Focus: Secondary Focus: Selected from one of the above broad disciplines not including the Primary Focus discipline Thematic Focus: Selected with BGS advisor from a variety of disciplines that meet students' individual workplace, educational, and/or professional objectives; however, a student cannot have more than 30 total credit hours in traditional business courses
  - Completed at least 22 credits from the following types of courses:
    Unrestricted Electives

Grand Total Credits: **88**

Minimum Credential Hours

120

Program Contact Information

Center for Academic Success Miranda Wilson mwilson12@murraystate.edu (270) 809-5337

Default Advisor

M. Wilson

Jesse D. Jones College of Science, Engineering and Technology

Actuarial Science (Minor)

Program Name

Actuarial Science

Degree

Minor

Program Level

Undergraduate

Department

Mathematics and Statistics

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Students already taking MAT 250, 308, 309, and STA 540 for another program may substitute these courses with: ECO 230, 231, FIN 330, MAT 555, STA 565, 567.

Program Requirements

- Completed the following:
  - MAT250 - Calculus and Analytic Geometry I (5)
  - MAT308 - Calculus and Analytic Geometry II (5)
  - MAT309 - Calculus and Analytic Geometry III (4)
  - MAT543 - Financial Mathematics (3)
  - STA540 - Mathematical Statistics I (4)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Mathematics and Statistics 6C9 Faculty Hall (270) 809-2311

Default Advisor

Dept Chair

Anthropology (Minor)

Program Name

Anthropology

Degree

Minor

Program Level

Undergraduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Electives may substitute up to six hours selected from the following as approved by advisor: HIS 309, 354, 370, 451, SOC 300, 325, 337, and 465.

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ANT140 - Exploring World Cultures (3)
    - ANT325 - Biological Anthropology (3)
    - ARC150 - Introduction to Archaeology (3)
  - Earned at least 12 credits from: Courses from ANT 300-599
    - ARC321 - Ancient Civilizations (3)
    - ARC325 - Hunter-Gatherer Ethnoarchaeology (3)
    - ARC330 - North American Archaeology (3)
    - ARC335 - Forensic Archaeology (3)
    - ARC340 - Archaeology of Africa (3)
    - ARC360 - Historical Archaeology (3)
    - ARC385 - Archaeology of Eastern Asia (3)
    - ARC389 - Archaeology and Political Ecology of Empires (3)
    - ARC395 - Archaeology of Religion (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

Dept Chair

Applied Physics (BA/BS: Bachelor of Arts or Bachelor of Science)

Applied Physics (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Applied Physics

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

400801

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Graduation Requirements

Several required courses may also be used to meet University Studies requirements. Students are encouraged to work with their academic advisors to identify which University Studies courses to complete in order to help reduce the total number of credits required.

Program Requirements

- Complete all of the following
  - Completed the following:
    - EGR140 - Introduction to Computing Applications in Science and Engineering (3)
    - EGR240 - Thermodynamics I (3)
    - EGR264 - Linear Circuits I (3)
    - PHY100T - Transitions (1)
    - PHY235 - Mechanics, Heat and Wave Motion (4)
    - PHY236 - Mechanics, Heat and Wave Motion Laboratory (1)
    - PHY255 - Electricity, Magnetism and Light (4)
    - PHY256 - Electricity, Magnetism and Light Laboratory (1)
    - PHY460 - Electricity and Magnetism I (3)
    - PHY470 - Optics (3)
    - PHY530 - Mechanics I (3)
  - Completed at least 1 of the following:
    - PHY370 - Introduction to Modern Physics (3)
    - PHY580 - Modern Physics I (3)
  - Co-requirements for Area:
  - Completed the following:
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - MAT250 - Calculus and Analytic Geometry I (5)
    - MAT308 - Calculus and Analytic Geometry II (5)
    - MAT309 - Calculus and Analytic Geometry III (4)
    - MAT338 - Ordinary Differential Equations (3)
  - Completed at least 1 of the following:
    - CSC420 - Numerical Analysis I (3)
    - MAT442 - Introduction to Numerical Analysis (3)
  - Technical Electives:
  - Completed at least 24 credits from the following types of courses:
    Technical Electives are to be a coherent set of courses chosen to supply depth and breadth necessary for the pursuit of a particular career objective. The chosen electives must be approved by a departmental curriculum committee.

Grand Total Credits: **86**

Minimum Credential Hours

120

Program Contact Information

Institute of Engineering 763A Collins Center (270) 809-3392

Default Advisor

J Ridley

Applied Physics (BA/BS: Bachelor of Arts or Bachelor of Science) - Applied Physics/Pre-MBA Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Applied Physics (BA/BS: Bachelor of Arts or Bachelor of Science) - Applied Physics/Pre-MBA Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

400801

Specialization Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Area

Description

Students who wish to complete a scientific course of study and qualify for admission to Murray State's Master of Business Administration program may follow the Applied Physics Curriculum/Pre-MBA track. Course requirements are identical to those listed under the Applied Physics program, with the exception of technical electives. Technical electives must be chosen in accordance with MBA admission guidelines, and are as follows:

Graduation Requirements

Several required courses may also be used to meet University Studies requirements. Students are encouraged to work with their academic advisors to identify which University Studies courses to complete in order to help reduce the total number of credits required.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - EGR140 - Introduction to Computing Applications in Science and Engineering (3)
    - EGR240 - Thermodynamics I (3)
    - EGR264 - Linear Circuits I (3)
    - PHY100T - Transitions (1)
    - PHY235 - Mechanics, Heat and Wave Motion (4)
    - PHY236 - Mechanics, Heat and Wave Motion Laboratory (1)
    - PHY255 - Electricity, Magnetism and Light (4)
    - PHY256 - Electricity, Magnetism and Light Laboratory (1)
    - PHY460 - Electricity and Magnetism I (3)
    - PHY470 - Optics (3)
    - PHY530 - Mechanics I (3)
  - Completed at least 1 of the following:
    - PHY370 - Introduction to Modern Physics (3)
    - PHY580 - Modern Physics I (3)
  - Co-requirements for Area:
  - Completed the following:
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - MAT250 - Calculus and Analytic Geometry I (5)
    - MAT308 - Calculus and Analytic Geometry II (5)
    - MAT309 - Calculus and Analytic Geometry III (4)
    - MAT338 - Ordinary Differential Equations (3)
  - Completed at least 1 of the following:
    - CSC420 - Numerical Analysis I (3)
    - MAT442 - Introduction to Numerical Analysis (3)
  - Pre-MBA Required Electives:
  - Completed the following:
    - ACC200 - Principles of Financial Accounting (3)
    - ACC201 - Principles of Managerial Accounting (3)
    - BAC355 - Information Systems and Decision Making (3)
    - ECO230 - Macroeconomics (3)
    - ECO231 - Microeconomics (3)
    - FIN330 - Principles of Finance (3)
    - MGT350 - Fundamentals of Management (3)
    - MKT360 - Principles of Marketing (3)

Grand Total Credits: **86**

Minimum Credential Hours

120

Specialization Contact Information

Institute of Engineering 763A Collins Center (270) 809-3392

Default Advisor

J. Ridley

Applied Statistics (Minor)

Program Name

Applied Statistics

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Mathematics and Statistics

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - MAT250 - Calculus and Analytic Geometry I (5)
    - STA265 - Methods of Statistics and Data Science (3)
    - STA565 - Applied Statistics I (4)
  - Completed at least 1 of the following:
    - STA253 - Introduction to Statistical Data Analysis (3)
    - STA135 - Introduction to Probability and Statistics (4)
  - Completed at least 2 of the following:
    - MAT308 - Calculus and Analytic Geometry II (5)
    - MAT555 - Probability in the Actuarial Sciences (3)
    - STA430 - Explorations in Statistics (1 - 4)
    - STA450 - Introduction to Engineering Statistics (3)
    - STA540 - Mathematical Statistics I (4)
    - STA541 - Mathematical Statistics II (3)
    - STA566 - Applied Statistics II (3)
    - STA567 - Introduction to Time Series Analysis (3)
    - STA568 - Bayesian Methods (3)
    - STA569 - Topics in Statistics (1 - 3)

Grand Total Credits: **17 - 25**

Minimum Credential Hours

21

Program Contact Information

Department of Mathematics and Statistics 6C9 Faculty Hall (270) 809-2311

Default Advisor

Dept Chair

Archaeology (Minor)

Program Name

Archaeology

Degree

Minor

Program Level

Undergraduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ARC150 - Introduction to Archaeology (3)
    - ARC300 - Archaeological Method and Theory (3)
    - ARC302 - Archaeological Field Work I (1 - 6)
    - ARC304 - Archaeological Laboratory Methods (1)
    - ARC350 - Public Archaeology (3)
  - Earned at least 6 credits from ARC 300 - 599

Grand Total Credits: **17 - 22**

Minimum Credential Hours

21

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

Dept Chair

Astronomy (Minor)

Program Name

Astronomy

Degree

Minor

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

PHY 235 and 255 may be substituted for PHY 130 and 132 with approval from the department chair.

Physics majors must take CHE 201 and EES 101 in place of PHY 130, 131, 132, and 133.

Program Requirements

- Complete all of the following
  - Completed the following:
    - AST115 - Introductory Astronomy (3)
    - AST116 - Introductory Astronomy Laboratory (1)
    - AST316 - Introductory Astrophysics and Space Physics (3)
    - PHY130 - General Physics I (3)
    - PHY131 - General Physics I Laboratory (1)
    - PHY132 - General Physics II (3)
    - PHY133 - General Physics II Laboratory (1)
  - Completed at least 6 credits from the following types of courses:
    Approved astronomy courses numbered 300 and above

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Institute of Engineering 763A Collins Center (270) 809-3392

Default Advisor

Dept Chair

Biology (Minor)

Program Name

Biology

Degree

Minor

Program Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

A maximum of three hours total from BIO 391, 392, 483, 484, 493, or 494 may be used.

BIO 101, 488, 489, and 499 will not count toward this minor.

Program Requirements

- Complete all of the following
  - Completed the following:
    - BIO115 - The Cellular Basis of Life (3)
    - BIO216 - Biological Inquiry and Analysis (4)
  - Completed at least 1 of the following:
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO222 - Botany: Plant Form and Function (4)
  - Completed at least 10 credits from the following types of courses:
    BIO hours chosen with advisor's approval (BIO 330 and 333 are highly recommended)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

Dept Chair

Biology (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Biology

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

260101

Program Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Major

Graduation Requirements

University Studies courses taken as part of the major may also be used to complete University Studies requirements.

A maximum of three hours total from BIO 391, 392, 483, 484, 489, 493, and 494 may be used. BIO 488 will not count here.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
  - Completed at least 1 of the following:
    - MAT150 - Algebra and Trigonometry (5)
    - MAT250 - Calculus and Analytic Geometry I (5)
  - Complete 1 of the following
    - Completed the following:
      - PHY130 - General Physics I (3)
      - PHY131 - General Physics I Laboratory (1)
    - Completed the following:
      - PHY235 - Mechanics, Heat and Wave Motion (4)
      - PHY236 - Mechanics, Heat and Wave Motion Laboratory (1)

Grand Total Credits: **19 - 20**

Program Requirements

- Complete all of the following
  - Completed the following:
    - BIO100T - Transitions (1)
    - BIO115 - The Cellular Basis of Life (3)
    - BIO216 - Biological Inquiry and Analysis (4)
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO222 - Botany: Plant Form and Function (4)
    - BIO305 - Introduction to Evolutionary Principles (3)
    - BIO330 - Principles of Ecology (4)
    - BIO333 - Genetics (4)
    - BIO499 - Senior Biology Seminar (1)
  - Earned at least 13 credits from BIO 300 - 599
  - Co-Requirements for Biology Major:
  - Complete 1 of the following
    - Completed the following:
      - CHE310 - Organic Chemistry I (3)
      - CHE311 - Organice Chemistry I Laboratory (2)
      - CHE320 - Organic Chemistry II (3)
    - Completed the following:
      - CHE210 - Brief Organic Chemistry (3)
      - CHE215 - Brief Organic Chemistry Laboratory (1)
      - CHE330 - Basic Biochemistry (3)
  - Completed at least 21 credits from the following types of courses:
    Required Minor (chemistry co-requriements may apply toward the requirements for a minor in chemistry)

Grand Total Credits: **69 - 70**

Minimum Credential Hours

120

Program Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

M Flinn

Biology (BA/BS: Bachelor of Arts or Bachelor of Science) - Biology/Biomedical Sciences Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Biology (BA/BS: Bachelor of Arts or Bachelor of Science) - Biology/Biomedical Sciences Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

260101

Specialization Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Area

Description

A freshman must have a math ACT score of 25 or higher to declare a major in Biomedical Sciences. However, any student may apply to the program and must have completed 32 credit hours with a GPA of 3.0, and must have taken BIO 115, 216, CHE201, 202, and MAT 250 - all with a minimum grade of B. Any student wishing to seek this degree (whether declared as a freshman or not) must apply to the Biomedical Sciences committee for admission into the program.

Graduation Requirements

University Studies courses taken as part of the major may also be used to complete University Studies requirements.

Both BIO 321 and 323 are required. Whichever option is not taken as part of the core must be taken as an elective.

Specifically Required University Studies

- Completed the following:
  - CHE201 - General College Chemistry (5)
  - CHE202 - General Chemistry and Qualitative Analysis (5)
  - MAT250 - Calculus and Analytic Geometry I (5)
  - PHY130 - General Physics I (3)
  - PHY131 - General Physics I Laboratory (1)

Grand Total Credits: **19**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - BIO100T - Transitions (1)
    - BIO115 - The Cellular Basis of Life (3)
    - BIO216 - Biological Inquiry and Analysis (4)
    - BIO290 - Biomedical Research I (2)
    - BIO300 - Introductory Microbiology (4)
    - BIO322 - Animal Physiology (4)
    - BIO333 - Genetics (4)
    - BIO388 - Biomedical Research II (3)
    - BIO389 - Biomedical Research III (3)
    - BIO438 - Biomedical Research IV (4)
    - BIO439 - Biomedical Research V (4)
    - BIO499 - Senior Biology Seminar (1)
    - BIO533 - Molecular Genetics (3)
  - Completed at least 1 of the following:
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO222 - Botany: Plant Form and Function (4)
  - Completed at least 1 of the following:
    - BIO321 - Cell Biology: Mechanisms (3)
    - BIO323 - Cell Biology: Systems (3)
  - Co-Requirements for Area:
  - Completed the following:
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - CHE320 - Organic Chemistry II (3)
    - CHE530 - Fundamentals of Biochemistry I (3)
    - CHE540 - Fundamentals of Biochemistry II (3)
    - PHY132 - General Physics II (3)
    - PHY133 - General Physics II Laboratory (1)
  - Restricted Electives:
  - Earned at least 15 credits from the following:
    - BIO308 - Ethics in Biology (3)
    - BIO320 - Comparative Vertebrate Anatomy (5)
    - BIO321 - Cell Biology: Mechanisms (3)
    - BIO323 - Cell Biology: Systems (3)
    - BIO421 - Vertebrate Histology (4)
    - BIO501 - Immunology (4)
    - BIO504 - Medical Cell Biology (3)
    - BIO521 - Cell Biology Laboratory (3)
    - BIO528 - Neurobiology (3)
    - BIO534 - Molecular Genetics Laboratory (3)
    - BIO597 - Topics in Advanced Molecular Biology (3)
    - CHE305 - Analytical Chemistry (5)
    - CHE325 - Organic Chemistry II Laboratory (3)
    - CHE403 - Basic Physical Chemistry (5)
    - PHY370 - Introduction to Modern Physics (3)

Grand Total Credits: **80**

Minimum Credential Hours

120

Specialization Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

A. Arkov

Biology (BA/BS: Bachelor of Arts or Bachelor of Science) - Biology/Fisheries and Aquatic Biology Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Biology (BA/BS: Bachelor of Arts or Bachelor of Science) - Biology/Fisheries and Aquatic Biology Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

260101

Specialization Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Area

Graduation Requirements

Upon completion of the Fisheries and Aquatic Biology track, students can be certified by the American Fisheries Society (if MAT 250 is taken as part of the program).

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - CHE201 - General College Chemistry (5)
    - PHY130 - General Physics I (3)
    - PHY131 - General Physics I Laboratory (1)
    - STA135 - Introduction to Probability and Statistics (4)
  - Completed at least 1 of the following:
    - MAT150 - Algebra and Trigonometry (5)
    - MAT250 - Calculus and Analytic Geometry I (5)
  - Completed at least 1 of the following:
    - COM131 - Introduction to Interpersonal Communication (3)
    - ENG224 - Writing in the Professions (3)
  - Completed at least 1 of the following:
    - BIO103 - Saving Planet Earth (3)
    - BIO308 - Ethics in Biology (3)
    - COM260 - Communication Ethics (3)
    - PHI202 - Ethics (3)
    - POL140 - American National Government (3)

Grand Total Credits: **24**

Specialization Requirements

- Complete all of the following
  - Completed the following:

        - BIO100T - Transitions (1)
        - BIO115 - The Cellular Basis of Life (3)
        - BIO216 - Biological Inquiry and Analysis (4)
        - BIO221 - Zoology: Animal Form and Function (4)
        - BIO222 - Botany: Plant Form and Function (4)
        - BIO330 - Principles of Ecology (4)
        - BIO333 - Genetics (4)
        - BIO499 - Senior Biology Seminar (1)
        - BIO549 - Fisheries Techniques (4)
        - BIO570 - Ichthyology (4)
        - BIO582 - Fisheries Management (4)
        - CHE202 - General Chemistry and Qualitative Analysis (5)
        - CHE210 - Brief Organic Chemistry (3)
        - CHE215 - Brief Organic Chemistry Laboratory (1)
    - Completed at least 1 of the following:
        - BIO240 - Biological Applications of GIS (4)
        - EES202 - Introduction to Geographic Information Science (4)
    - Completed at least 1 of the following:
        - BIO578 - Conservation Biology (4)
        - BIO584 - Wildlife Policy and Administration (3)
    - Completed at least 1 of the following:
        - BIO586 - Limnology (4)
        - BIO588 - Reservoir Ecology (4)
    - Completed at least 4 of the following:
        - BIO305 - Introduction to Evolutionary Principles (3)
        - BIO467 - General Parasitology (4)
        - BIO493 - Undergraduate Research III (3)
        - BIO542 - Watershed Ecology (3)
        - BIO546 - Stream Ecology (4)
        - BIO561 - Freshwater Invertebrates (4)
        - BIO563 - Aquatic Entomology (4)
        - BIO568 - Wetland Ecology (4)
        - BIO572 - Herpetology (4)
        - BIO573 - Ornithology (4)
        - BIO574 - Mammalogy (4)
        - BIO578 - Conservation Biology (4)
        - BIO584 - Wildlife Policy and Administration (3)
        - BIO586 - Limnology (4)
        - BIO587 - Freshwater Biology (4)
        - BIO588 - Reservoir Ecology (4)
        - BIO595 - Wildlife/Fisheries Internship (1 - 4)
    - Earned at least 3 credits from the following:
        - AGR328 - Statistics for Food and Agriculture (3)
        - AGR345 - Soil Science (3)
        - AGR346 - Soil Science Laboratory (1)
        - CHE330 - Basic Biochemistry (3)
        - CSC101 - Introduction to Problem Solving Using Computers (3)
        - EES125 - Weather and Climate (4)
        - EES199 - Earth Science (4)
        - EES200 - Introduction to Oceanography (3)
        - EES210 - Hydrology (3)
        - EES303 - Introduction to Water Science (3)
        - EES305 - Introduction to Cartography (3)
        - EES312 - Introduction to Remote Sensing (4)
        - EES314 - Sediments and Soils (4)
        - EES424 - Conservation and Environmental Geosciences (3)
        - EES512 - Remote Sensing (4)
        - EES521 - Geographic Information Systems (4)
        - MAT250 - Calculus and Analytic Geometry I (5)
        - PHY235 - Mechanics, Heat and Wave Motion (4)
        - PHY255 - Electricity, Magnetism and Light (4)
        - PSY300 - Principles and Methods of Statistical Analysis (3)

- STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **70 - 77**

Minimum Credential Hours

120

Specialization Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

M. Flinn

Biology (BA/BS: Bachelor of Arts or Bachelor of Science) - Biology/Pre-Dental Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Biology (BA/BS: Bachelor of Arts or Bachelor of Science) - Biology/Pre-Dental Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

260101

Specialization Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Major

Graduation Requirements

University Studies courses taken as part of the major may also be used to complete University Studies requirements.

A maximum of three hours total from BIO 391, 392, 483, 484, 489, 493, and 494 may be used. BIO 488 will not count here.

ENG 204 is strongly recommended. Unrestricted electives other than ENG 204 must be at the 300-level or above.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - PSY180 - General Psychology (3)
  - Completed at least 1 of the following:
    - MAT150 - Algebra and Trigonometry (5)
    - MAT250 - Calculus and Analytic Geometry I (5)
  - Complete 1 of the following
    - Completed the following:
      - PHY130 - General Physics I (3)
      - PHY131 - General Physics I Laboratory (1)
    - Completed the following:
      - PHY235 - Mechanics, Heat and Wave Motion (4)
      - PHY236 - Mechanics, Heat and Wave Motion Laboratory (1)

Grand Total Credits: **22 - 23**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - BIO100T - Transitions (1)
    - BIO115 - The Cellular Basis of Life (3)
    - BIO216 - Biological Inquiry and Analysis (4)
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO222 - Botany: Plant Form and Function (4)
    - BIO322 - Animal Physiology (4)
    - BIO333 - Genetics (4)
    - BIO499 - Senior Biology Seminar (1)
  - Completed at least 1 of the following:
    - BIO321 - Cell Biology: Mechanisms (3)
    - BIO323 - Cell Biology: Systems (3)
  - Earned at least 12 credits from BIO 300 - 599
  - Co-Requirements for Major:
  - Completed the following:
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - CHE320 - Organic Chemistry II (3)
  - Complete 1 of the following
    - Completed the following:
      - PHY132 - General Physics II (3)
      - PHY133 - General Physics II Laboratory (1)
    - Completed the following:
      - PHY255 - Electricity, Magnetism and Light (4)
      - PHY256 - Electricity, Magnetism and Light Laboratory (1)
  - Completed at least 21 credits from the following types of courses:
    Required Minor: chemistry co-requirements may apply toward the chemistry minor

Grand Total Credits: **73 - 74**

Minimum Credential Hours

120

Specialization Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

G. Zeruth

Biology (BA/BS: Bachelor of Arts or Bachelor of Science) - Biology/Pre-Medical Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Biology (BA/BS: Bachelor of Arts or Bachelor of Science) - Biology/Pre-Medical Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

260101

Specialization Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Major

Graduation Requirements

University Studies courses taken as part of the major may also be used to complete University Studies requirements.

A maximum of three hours total from BIO 391, 392, 483, 484, 489, 493, and 494 may be used. BIO 488 will not count here.

ENG 204 is strongly recommended. Unrestricted electives other than ENG 204 must be at the 300-level or above.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - PSY180 - General Psychology (3)
  - Completed at least 1 of the following:
    - MAT150 - Algebra and Trigonometry (5)
    - MAT250 - Calculus and Analytic Geometry I (5)
  - Complete 1 of the following
    - Completed the following:
      - PHY130 - General Physics I (3)
      - PHY131 - General Physics I Laboratory (1)
    - Completed the following:
      - PHY235 - Mechanics, Heat and Wave Motion (4)
      - PHY236 - Mechanics, Heat and Wave Motion Laboratory (1)

Grand Total Credits: **22 - 23**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - BIO100T - Transitions (1)
    - BIO115 - The Cellular Basis of Life (3)
    - BIO216 - Biological Inquiry and Analysis (4)
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO222 - Botany: Plant Form and Function (4)
    - BIO322 - Animal Physiology (4)
    - BIO333 - Genetics (4)
    - BIO499 - Senior Biology Seminar (1)
  - Completed at least 1 of the following:
    - BIO321 - Cell Biology: Mechanisms (3)
    - BIO323 - Cell Biology: Systems (3)
  - Earned at least 12 credits from BIO 300 - 599
  - Co-Requirements for Major:
  - Completed the following:
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - CHE320 - Organic Chemistry II (3)
  - Complete 1 of the following
    - Completed the following:
      - PHY132 - General Physics II (3)
      - PHY133 - General Physics II Laboratory (1)
    - Completed the following:
      - PHY255 - Electricity, Magnetism and Light (4)
      - PHY256 - Electricity, Magnetism and Light Laboratory (1)
  - Completed at least 21 credits from the following types of courses:
    Required Minor: chemistry co-requirements may apply toward the chemistry minor

Grand Total Credits: **73 - 74**

Minimum Credential Hours

120

Specialization Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

D. Canning

Biology (BA/BS: Bachelor of Arts or Bachelor of Science) - Biology/Pre-Optometry Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Biology (BA/BS: Bachelor of Arts or Bachelor of Science) - Biology/Pre-Optometry Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

260101

Specialization Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Major

Graduation Requirements

University Studies courses taken as part of the major may also be used to complete University Studies requirements.

A maximum of three hours total from BIO 391, 392, 483, 484, 489, 493, and 494 may be used. BIO 488 will not count here.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - CHE201 - General College Chemistry (5)
    - MAT250 - Calculus and Analytic Geometry I (5)
    - PSY180 - General Psychology (3)
  - Completed at least 1 of the following:
    - MAT150 - Algebra and Trigonometry (5)
    - MAT250 - Calculus and Analytic Geometry I (5)
  - Complete 1 of the following
    - Completed the following:
      - PHY130 - General Physics I (3)
      - PHY131 - General Physics I Laboratory (1)
      - PHY132 - General Physics II (3)
      - PHY133 - General Physics II Laboratory (1)
    - Completed the following:
      - PHY235 - Mechanics, Heat and Wave Motion (4)
      - PHY236 - Mechanics, Heat and Wave Motion Laboratory (1)
      - PHY255 - Electricity, Magnetism and Light (4)
      - PHY256 - Electricity, Magnetism and Light Laboratory (1)

Grand Total Credits: **26 - 28**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - BIO100T - Transitions (1)
    - BIO115 - The Cellular Basis of Life (3)
    - BIO216 - Biological Inquiry and Analysis (4)
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO222 - Botany: Plant Form and Function (4)
    - BIO300 - Introductory Microbiology (4)
    - BIO322 - Animal Physiology (4)
    - BIO333 - Genetics (4)
    - BIO499 - Senior Biology Seminar (1)
  - Earned at least 12 credits from BIO 300 - 599
  - Co-Requirements for Major:
  - Completed the following:
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - CHE320 - Organic Chemistry II (3)
    - ENG204 - Advanced Expository Writing (3)
    - STA135 - Introduction to Probability and Statistics (4)
  - Completed at least 1 of the following:
    - CHE330 - Basic Biochemistry (3)
    - CHE530 - Fundamentals of Biochemistry I (3)
  - Completed at least 21 credits from the following types of courses:
    Required Minor: chemistry co-requirements may apply toward the chemistry minor

Grand Total Credits: **85**

Minimum Credential Hours

120

Specialization Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

S. Wright

Biology (BA/BS: Bachelor of Arts or Bachelor of Science) - Biology/Pre-Physical Therapy Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Biology (BA/BS: Bachelor of Arts or Bachelor of Science) - Biology/Pre-Physical Therapy Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

260101

Specialization Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Major

Graduation Requirements

University Studies courses taken as part of the major may also be used to complete University Studies requirements.

Both BIO 321 and 323 are required. Whichever option is not taken as part of the core must be taken as an elective.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - PHY130 - General Physics I (3)
    - PHY131 - General Physics I Laboratory (1)
    - PSY180 - General Psychology (3)
  - Completed at least 1 of the following:
    - MAT150 - Algebra and Trigonometry (5)
    - MAT250 - Calculus and Analytic Geometry I (5)

Grand Total Credits: **22**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - BIO100T - Transitions (1)
    - BIO115 - The Cellular Basis of Life (3)
    - BIO216 - Biological Inquiry and Analysis (4)
    - BIO220 - Clinical Terminology (3)
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO222 - Botany: Plant Form and Function (4)
    - BIO322 - Animal Physiology (4)
    - BIO333 - Genetics (4)
    - BIO499 - Senior Biology Seminar (1)
  - Completed at least 1 of the following:
    - BIO300 - Introductory Microbiology (4)
    - BIO321 - Cell Biology: Mechanisms (3)
  - Complete 1 of the following
    - Completed the following:
      - BIO320 - Comparative Vertebrate Anatomy (5)
    - Completed the following:
      - BIO227 - Human Anatomy Lecture (2)
      - BIO228 - Human Anatomy Laboratory (2)
  - Earned at least 9 credits from BIO 300 - 599
  - If BIO 320 is taken, only four hours of 300-level or above BIO electives are required.
  - Co-Requirements for Major:
  - Completed the following:
    - BIO450 - Exercise Physiology (3)
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - CHE320 - Organic Chemistry II (3)
    - PHY132 - General Physics II (3)
    - PHY133 - General Physics II Laboratory (1)
    - PSY260 - Lifespan Development (3)
    - SOC133 - Introduction to Sociology (3)
  - Completed at least 1 of the following:
    - PSY300 - Principles and Methods of Statistical Analysis (3)
    - STA135 - Introduction to Probability and Statistics (4)
  - Completed at least 21 credits from the following types of courses:
    Required Minor: chemistry co-requirements may apply toward a chemistry minor

Grand Total Credits: **89 - 92**

Minimum Credential Hours

120

Specialization Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

T. Derting

Biology (BA/BS: Bachelor of Arts or Bachelor of Science) - Biology/Pre-Physician Assistant Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Biology (BA/BS: Bachelor of Arts or Bachelor of Science) - Biology/Pre-Physician Assistant Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

260101

Specialization Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Major

Graduation Requirements

University Studies courses taken as part of the major may also be used to complete University Studies requirements.

Both BIO 321 and 323 are required. Whichever option is not taken as part of the core must be taken as an elective.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - PHY130 - General Physics I (3)
    - PHY131 - General Physics I Laboratory (1)
    - PSY180 - General Psychology (3)
  - Completed at least 1 of the following:
    - MAT150 - Algebra and Trigonometry (5)
    - MAT250 - Calculus and Analytic Geometry I (5)
  - Completed at least 1 of the following:
    - SOC133 - Introduction to Sociology (3)
    - SOC231 - Social Problems (3)

Grand Total Credits: **25**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - BIO100T - Transitions (1)
    - BIO115 - The Cellular Basis of Life (3)
    - BIO216 - Biological Inquiry and Analysis (4)
    - BIO220 - Clinical Terminology (3)
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO222 - Botany: Plant Form and Function (4)
    - BIO300 - Introductory Microbiology (4)
    - BIO333 - Genetics (4)
    - BIO499 - Senior Biology Seminar (1)
  - Completed at least 1 of the following:
    - BIO321 - Cell Biology: Mechanisms (3)
    - BIO323 - Cell Biology: Systems (3)
  - Earned at least 10 credits from BIO 300 - 599
  - BIO 488 and 489 will not count here.
  - Co-Requirements for Major:
  - Completed the following:
    - BIO227 - Human Anatomy Lecture (2)
    - BIO228 - Human Anatomy Laboratory (2)
    - BIO229 - Human Physiology (3)
    - BIO230 - Human Physiology Laboratory (1)
  - Complete 1 of the following
    - Completed the following:
      - CHE210 - Brief Organic Chemistry (3)
      - CHE215 - Brief Organic Chemistry Laboratory (1)
    - Completed the following:
      - CHE310 - Organic Chemistry I (3)
      - CHE311 - Organice Chemistry I Laboratory (2)
  - Completed at least 1 of the following:
    - PSY300 - Principles and Methods of Statistical Analysis (3)
    - STA135 - Introduction to Probability and Statistics (4)
  - Completed at least 21 credits from the following types of courses:
    Required Minor: chemistry co-requirements may apply toward a chemistry minor

Grand Total Credits: **77 - 79**

Minimum Credential Hours

120

Specialization Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

C. Trzepacz

Biology (BA/BS: Bachelor of Arts or Bachelor of Science) - Biology/Secondary Certification (Grades 8-12) Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Biology (BA/BS: Bachelor of Arts or Bachelor of Science) - Biology/Secondary Certification (Grades 8-12) Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

260101

Specialization Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Major

Graduation Requirements

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, a public speaking course, and EDU 180 or equivalent course. Additional requirements for admission to teacher education and student teaching must be met.

Students should see their academic advisor or the Office of Teacher Education Services for details.

PRAXIS exam required during the semester before student teaching.

EDU 480 and SEC 420 must be taken together two semesters before student teaching.

SEC 422 must be taken one semester before student teaching.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - MAT150 - Algebra and Trigonometry (5)
    - PHY130 - General Physics I (3)
    - PHY131 - General Physics I Laboratory (1)
  - Complete 1 of the following
    - Completed the following:
      - PHY130 - General Physics I (3)
      - PHY131 - General Physics I Laboratory (1)
    - Completed the following:
      - PHY235 - Mechanics, Heat and Wave Motion (4)
      - PHY236 - Mechanics, Heat and Wave Motion Laboratory (1)

Grand Total Credits: **23 - 24**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - BIO100T - Transitions (1)
    - BIO115 - The Cellular Basis of Life (3)
    - BIO216 - Biological Inquiry and Analysis (4)
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO222 - Botany: Plant Form and Function (4)
    - BIO300 - Introductory Microbiology (4)
    - BIO320 - Comparative Vertebrate Anatomy (5)
    - BIO322 - Animal Physiology (4)
    - BIO330 - Principles of Ecology (4)
    - BIO333 - Genetics (4)
    - BIO499 - Senior Biology Seminar (1)
  - Co-Requirements for Major:
  - Complete 1 of the following
    - Completed the following:
      - CHE310 - Organic Chemistry I (3)
      - CHE311 - Organice Chemistry I Laboratory (2)
      - CHE320 - Organic Chemistry II (3)
    - Completed the following:
      - CHE210 - Brief Organic Chemistry (3)
      - CHE215 - Brief Organic Chemistry Laboratory (1)
      - CHE330 - Basic Biochemistry (3)
  - Complete 1 of the following
    - Completed the following:
      - PHY132 - General Physics II (3)
      - PHY133 - General Physics II Laboratory (1)
    - Completed the following:
      - PHY255 - Electricity, Magnetism and Light (4)
      - PHY256 - Electricity, Magnetism and Light Laboratory (1)
  - Required for Secondary Certification:
  - Earned a minimum grade of B in each of the following:
    - EDU180 - Exploring the Teaching Profession (3)
  - Completed the following:
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)
    - SEC420 - Practicum in Secondary Schools (3)
    - SEC421 - Student Teaching in the Secondary School (7 - 14)
    - SEC422 - Extended Practicum (4)
  - Completed at least 21 credits from the following types of courses:
    Required Minor: chemistry co-requirements (except CHE 210 and 215) may apply toward a chemistry minor

Grand Total Credits: **96 - 105**

Minimum Credential Hours

120

Specialization Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

T. Derting

Biology (MS: Master of Science)

Program Name

Biology

Degree

MS: Master of Science

CIP Code

260101

Program Level

Graduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Graduate Program Type

Graduate Degree

Description

The Department of Biological Sciences offers a Master of Science degree. The MS program is designed to prepare the student to assume an active career in teaching and/or research or to pursue further graduate studies.

Requirements for Admission
Applicants must meet the Murray State University requirements (see *Graduate Admissions*). A faculty member must agree to mentor the student.

Additional requirements for unconditional and conditional admission are as follows.
Unconditional

- Undergraduate courses in botany, zoology, ecology, and genetics
- Eight undergraduate hours in chemistry
- Composite GRE score of 300 (V+Q) or higher on the current scale or 1,000 (V+Q) or higher on prior scale

Conditional

- Recommendation of the advisor committee

Graduation Requirements

Within the guidelines, the individual's program is developed by an advisory committee to ensure proficiency in the basic areas of zoology, botany, ecology, and genetics.

The thesis track is strongly recommended for anyone considering further research or graduate activities.

Other Degree Requirements (Thesis Track)

- Proficiency in quantitative methods through MAT 665 or a graduate course in bioinformatics, such as BIO 657
- A preliminary examination will be given in the student's first semester to assess the student's understanding of principles across the diverse disciplines of biology
- Oral defense of thesis

Other Degree Requirements (Non-Thesis Track)

- Proficiency in quantitative methods through STA 665 or a graduate course in bioinformatics, such as BIO 657
- A preliminary examination will be given in the student's first semester to assess the student's understanding of principles across the diverse disciplines of biology

Optional Degree Requirement
BIO 695 Biological Research (4) with prior approval of the research topic by the student's graduate committee; results to be presented while enrolled in BIO 697. Research credits can be counted toward the 36-hour requirement.

Program Requirements

- Complete 1 of the following
  - Complete all of the following
    - Thesis Requirements:
    - Completed the following:
      - BIO689 - Introduction to Graduate Study (1)
      - BIO696 - Understanding Scientific Communication (2)
      - BIO697 - Seminar (1)
      - BIO698 - Thesis I (3)
      - BIO699 - Thesis II (3)
    - Earned at least 9 credits from BIO 600 - 799
    - Completed at least 11 credits from the following types of courses:
      Additional graduate-level BIO electives or graduate advisor/committee approved courses in related fields
  - Complete all of the following
    - Non-Thesis Requirements:
    - Completed the following:
      - BIO689 - Introduction to Graduate Study (1)
      - BIO696 - Understanding Scientific Communication (2)
      - BIO697 - Seminar (1)
    - Earned at least 16 credits from BIO 600 - 799
    - Completed at least 16 credits from the following types of courses:
      Additional graduate-level BIO electives or graduate advisor/committee approved courses in related fields

Grand Total Credits: **30 - 36**

Minimum Credential Hours

30

Program Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

M. Flinn

Biology (MS: Master of Science) - Biology/Watershed Science Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Biology (MS: Master of Science) - Biology/Watershed Science Concentration

Degree

MS: Master of Science

CIP Code

260101

Specialization Level

Graduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Graduation Requirements

Other Degree Requirements

- Successful completion of STA 665
- Written and oral comprehensive examinations as specified by the advisory committee in broad aspects of watershed science and area of concentration (usually taken in the third semester of residence)
- Defense of thesis

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - BIO642 - Watershed Ecology (3)
    - BIO689 - Introduction to Graduate Study (1)
    - BIO696 - Understanding Scientific Communication (2)
    - BIO697 - Seminar (1)
    - BIO698 - Thesis I (3)
    - BIO699 - Thesis II (3)
  - Earned at least 17 credits from the following:
    - AGR674 - Agricultural Irrigation and Water Systems (3)
    - BIO625 - Biogeography (3)
    - BIO630 - Advanced Ecology (4)
    - BIO631 - Plant Ecology (4)
    - BIO632 - Quantitative Ecology (4)
    - BIO646 - Stream Ecology (4)
    - BIO661 - Freshwater Invertebrates (4)
    - BIO663 - Aquatic Entomology (4)
    - BIO668 - Wetland Ecology (4)
    - BIO669 - Biological Limnology (3)
    - BIO670 - Limnological Analysis Laboratory (4)
    - BIO671 - Ichthyology (4)
    - BIO672 - Herpetology (4)
    - BIO678 - Conservation Biology (4)
    - BIO682 - Waterfowl Management (4)
    - BIO683 - Fisheries Management (4)
    - BIO686 - Limnology (4)
    - BIO687 - Freshwater Biology (4)
    - BIO688 - Reservoir Ecology (4)
    - BIO690 - Disturbance Ecology (3)
    - CHE613 - Environmental Chemistry (3)
    - CHE617 - Advanced Organic Chemistry (3)
    - CHE627 - Chemical Separations (3)
    - CHE628 - Mass Spectrometry (3)
    - CHE665 - Biogeochemistry (3)
    - EES612 - Remote Sensing (4)
    - EES621 - Geographic Information Systems (4)
    - EES640 - Advanced Remote Sensing (3)
    - EES641 - Digital Image Processing Research (3)
    - EES662 - Hydrogeology (3)
    - EES665 - Physical/Chemical Limnology (3)
    - EES680 - Advanced Geographic Information Systems (3)
    - ENT655 - Environmental Regulatory Affairs (3)
    - ENT681 - Pollution Assessment and Control (3)
    - ENT685 - Remediation Technology (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

M. Flinn

BS+MA Accelerated Mathematics (4+1) Program (BS + MA: Bachelor of Science + Master of Arts)

Program Name

BS+MA Accelerated Mathematics (4+1) Program

Degree

BS + MA: Bachelor of Science + Master of Arts

CIP Code

Program Level

Accelerated Program

Department

Mathematics and Statistics

College

Jesse D. Jones College of Science, Engineering and Technology

Description

The Bachelor of Science + Master of Arts Accelerated Mathematics Program allows qualified students to complete requirements for the Bachelor of Science Area in Mathematics/Applied Mathematics Track and the Master of Arts in Mathematics within five years (or 138 credit hours). The objectives for both degrees are those described in the Academic Bulletin. Upon completion of 60 hours of coursework toward the BS in Mathematics, qualified undergraduate students may apply for admission to this program by filling out a Statement of Intent to Enter an Accelerated Graduate Program and Graduate Credit Approval form. (See Admission requirements described below.) Students should complete all University Studies requirements during their first two years and should declare the BS Area in Mathematics as their intended undergraduate degree no later than the end of their fifth semester. Students may enroll in graduate courses in Mathematics when they are within either two semesters or 30 hours of fulfilling undergraduate requirements, and up to 12 hours in graduate coursework in Mathematics or Statistics, approved by the Director of Graduate Studies, may count as up to 12 of the required 18 hours related to the application of mathematics detailed in the required limited electives of the Area in Mathematics: Applied Mathematics Track. The Bachelor’s degree will be awarded when undergraduate requirements have been met. Upon being officially accepted into the graduate program, and completing all requirements for the MA in Mathematics, the student will receive an MA in Mathematics degree. Admission to and enrollment in this program does not supersede University policies regarding tuition or financial aid.

Admission requirements for the Accelerated BS + MS Program in Mathematics
Qualified students will have
• a 3.0 cumulative GPA
• a minimum 3.25 GPA in MAT and STA courses that are included as major courses
• completed MAT 250, 308, 309; and will have completed or would be currently enrolled in MAT 312 and MAT 335

Minimum Credential Hours

138

Program Contact Information

Department of Mathematics and Statistics 6C9 Faculty Hall (270) 809-2311

Default Advisor

T. Schroeder

BS + MS Accelerated Chemistry (4+1) Program (BS + MS: Bachelor of Science + Master of Science)

Program Name

BS+MS Accelerated Chemistry (4+1) Program

Degree

BS + MS: Bachelor of Science + Master of Science

CIP Code

400501

Program Level

Accelerated Program

Department

Chemistry

College

Jesse D. Jones College of Science, Engineering and Technology

Description

The BS + MS Accelerated Chemistry (4+1) Program allows qualified students to complete requirements for a Bachelor of Science in Chemistry and Master of Science in Chemistry in five years (or 138 credit hours). The objectives for both degrees are those described in the *Academic Bulletin*.

Students interested in the BS + MS Accelerated Chemistry Program should plan their coursework carefully in consultation with their academic advisor. In their third year, and upon completion of 60 hours toward the BS, qualified undergraduate students may apply for admission to this program by filling out a Statement of Intent to Enter an Accelerated Graduate Program and Graduate Credit Approval forms. Upon reaching senior status (i.e., when within 30 credit hours of completing their BS degree), students who have been accepted into the MS program may enroll in graduate courses in Chemistry. Twelve hours of graduate coursework in Chemistry, approved by the departmental Director of Graduate Studies, may count toward the requirements for a BS in Chemistry. Students who are not required to take CHE 400 (Chemical Literature) as part of their BS track will be required to take that course prior to, or in the same semester as, their first graduate course. The BS degree will be awarded at the end of the fourth year, or when all undergraduate requirements have been met. Students will be awarded the M.S. in Chemistry upon successful completion of 18 additional graduate hours, as well as any additional requirements as outlined in the Academic Bulletin.

Admission to and enrollment in this program does not supersede University policies regarding tuition or financial aid.

Admission Requirements for the Accelerated (4+1) Chemistry Program

Qualified students will have:

- Minimum GPA in Chemistry Courses of 3.0
- Minimum GPA in Science and Mathematics Courses of 3.0
- Completed CHE 201, CHE 202, CHE 305, and CHE 310/311, and MAT 308, and have completed, or be currently enrolled in, CHE 320 and CHE 410

Under exceptional circumstances, students falling slightly below one of the admission benchmarks may still be considered for conditional admission. Such students should consult with the department’s Graduate Coordinator and Chair.

Minimum Credential Hours

138

Program Contact Information

Department of Chemistry 1201 Jesse D. Jones Hall (270) 809-2584

Default Advisor

K. Revell

BS+MS Accelerated Earth and Environmental Sciences (4+1) Program (BS + MS: Bachelor of Science + Master of Science)

Program Name

BS+MS Accelerated Earth and Environmental Sciences (4+1) Program

Degree

BS + MS: Bachelor of Science + Master of Science

Program Level

Accelerated Program

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Description

The BS + MS Earth and Environmental Sciences (EES) Accelerated 4+1 Program allows qualified students to complete requirements for a Bachelor of Science in Earth and Environmental Sciences and Master of Science in Earth and Environmental Sciences in five years (or 138 credit hours). The objectives for both degrees are those described in the *Academic Bulletin.*

Students interested in the BS + MS Earth and Environmental Sciences (EES) Accelerated Program should plan their coursework **carefully** in consultation with their academic advisor. In their third year, and upon completion of 60 hours toward the BS, qualified undergraduate students may apply for admission to this program by filling out a Statement of Intent to Enter an Accelerated Graduate Program and Graduate Credit Approval forms. (See Admission requirements described below.) Upon reaching senior status (i.e., when within 30 credit hours of completing their BS degree), students who have been accepted into the MS program may enroll in graduate courses in EES. Twelve (12) hours of graduate coursework in EES approved by the Graduate Coordinator, may count toward the requirements for a BS in EES. The BS degree will be awarded at the end of the fourth year, or when all undergraduate requirements have been met. The student will be awarded the MS in EES upon successful completion of 18 additional graduate hours, as well as any other requirements as outlined in the *Academic Bulletin*.

Admission to and enrollment in this program does not supersede University policies regarding tuition or financial aid.

Admission Requirements for the BS + MS Earth and Environmental Sciences (EES) Accelerated 4+1 Program

Qualified students will have:

- Minimum overall GPA of 3.0
- Minimum GPA of 3.0 in EES courses
- Completion or be currently enrolled in EES 202, 301, 312, 336, and ARC 320

Under exceptional circumstances, students falling slightly below one of the admission benchmarks may still be considered for conditional admission. Such students should consult with the department's Graduate Coordinator and Chair.

Minimum Credential Hours

138

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

Q. Zhang

BS+MS Accelerated Mathematics (4+1) Program (BS + MS: Bachelor of Science + Master of Science)

Program Name

BS+MS Accelerated Mathematics (4+1) Program

Degree

BS + MS: Bachelor of Science + Master of Science

CIP Code

Program Level

Accelerated Program

Department

Mathematics and Statistics

College

Jesse D. Jones College of Science, Engineering and Technology

Description

The Bachelor of Science + Master of Science Accelerated Mathematics Program allows qualified students to complete requirements for the Bachelor of Science Area in Mathematics/Applied Mathematics Track and the Master of Science in Mathematics within five years (or 141 credit hours). The objectives for both degrees are those described in the Academic Bulletin. Upon completion of 60 hours of coursework toward the BS in Mathematics, qualified undergraduate students may apply for admission to this program by filling out a Statement of Intent to Enter an Accelerated Graduate Program and Graduate Credit Approval form. (See Admission requirements described below.) Students should complete all University Studies requirements during their first two years and should declare the BS Area in Mathematics as their intended undergraduate degree no later than the end of their fifth semester. Students may enroll in graduate courses in Mathematics when they are within either two semesters or 30 hours of fulfilling undergraduate requirements, and up to 12 hours in graduate coursework in Mathematics or Statistics, approved by the Director of Graduate Studies, may count as up to 12 of the required 18 hours related to the application of mathematics detailed in the required limited electives of the Area in Mathematics: Applied Mathematics Track. The Bachelor's degree will be awarded when undergraduate requirements have been met. Upon being officially accepted into the graduate program, and completing all requirements for the MS in Mathematics, the student will receive an MS in Mathematics degree. Admission to and enrollment in this program does not supersede University policies regarding tuition or financial aid.

Admission requirements for the Accelerated BS + MS Program in Mathematics
Qualified students will have
• a 3.0 cumulative GPA
• a minimum 3.25 GPA in MAT and STA courses that are included as major courses
• completed MAT 250, 308, 309; and will have completed or would be currently enrolled in MAT 312 and MAT 335

Minimum Credential Hours

141

Program Contact Information

Department of Mathematics and Statistics 6C9 Faculty Hall (270) 809-2311

Default Advisor

T. Schroeder

Cell Biology (Minor)

Program Name

Cell Biology

Degree

Minor

Program Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - BIO115 - The Cellular Basis of Life (3)
    - BIO321 - Cell Biology: Mechanisms (3)
    - BIO323 - Cell Biology: Systems (3)
    - BIO333 - Genetics (4)
    - BIO533 - Molecular Genetics (3)
  - Earned at least 6 credits from the following:
    - BIO300 - Introductory Microbiology (4)
    - BIO322 - Animal Physiology (4)
    - BIO420 - Vertebrate Embryology (4)
    - BIO421 - Vertebrate Histology (4)
    - BIO461 - Biomathematics in Biomedical Sciences (3)
    - BIO501 - Immunology (4)
    - BIO504 - Medical Cell Biology (3)
    - BIO521 - Cell Biology Laboratory (3)
    - BIO522 - Pathophysiology (3)
    - BIO528 - Neurobiology (3)
    - BIO534 - Molecular Genetics Laboratory (3)
    - BIO597 - Topics in Advanced Molecular Biology (3)

Grand Total Credits: **22**

Minimum Credential Hours

21

Program Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

Dept Chair

Chemistry (MS: Master of Science)

Program Name

Chemistry

Degree

MS: Master of Science

CIP Code

400501

Program Level

Graduate

Department

Chemistry

College

Jesse D. Jones College of Science, Engineering and Technology

Graduate Program Type

Graduate Degree

Description

Requirements for Admission
Applicants must meet the Murray State University requirements (see *Graduate Admissions*).

Additional information regarding unconditional and conditional admission is given below.
Unconditional
To qualify for unconditional admission, an applicant must have:
1. an undergraduate degree in chemistry;
2. an overall undergraduate GPA of 3.0/4.0 or higher;
3. recommended GRE scores of: 140 verbal, 150 quantitative, 2.5 analytical writing;
4. for international students, minimum scores of: TOEFL 527, iBT TOEFL 71, with no band less than 16, or IELTS 6.0 with no band less than 5.0.

If the undergraduate degree does not conform to an ACS-certified program, students may be required to correct any deficiency in their undergraduate preparation.

Conditional
In exceptional cases (such as extensive work or research experience), students falling slightly below one of the unconditional admission benchmarks may still be considered for conditional admission. Applicants with TOEFL scores between 500 and 526 may be admitted on a conditional basis, but their proficiency in English will be further evaluated upon their arrival on campus, and they may be required to undertake additional study of English prior to beginning graduate work in chemistry.

Graduation Requirements

Other Degree Requirements (Thesis Track)

- Successful completion of an advanced instrumental analysis course (CHE 619 or equivalent)
- Submission and defense of a satisfactory thesis

Other Degree Requirements (Non-Thesis Track)

- Successful completion of an advanced instrumental analysis course (CHE 619 or equivalent)
- CHE 691, 692, and 693 will not count toward completion of this degree

Program Requirements

- Complete 1 of the following
  - Complete all of the following
    - Thesis Requirements:
    - Completed the following:
      - CHE601 - Seminar (1)
      - CHE602 - Seminar (1)
      - CHE609 - Advanced Inorganic Chemistry I (3)
      - CHE617 - Advanced Organic Chemistry (3)
      - CHE681 - Advanced Physical Chemistry (3)
    - Research and Other Requirements:
    - Earned at least 6 credits from the following:
      - CHE698 - Thesis Research (3)
      - CHE699 - Thesis Research (3)
    - Completed at least 13 credits from the following types of courses:
      600-level courses (up to six hours may be selected from courses other than CHE)
    - Each student is required to prepare and present one seminar based on a thorough search of the chemical literature and one based on the student's thesis research.
  - Complete all of the following
    - Non-Thesis Requirements:
    - Completed the following:
      - CHE601 - Seminar (1)
      - CHE602 - Seminar (1)
      - CHE609 - Advanced Inorganic Chemistry I (3)
      - CHE617 - Advanced Organic Chemistry (3)
      - CHE681 - Advanced Physical Chemistry (3)
    - Completed at least 25 credits from the following types of courses:
      600-level courses (up to nine hours may be selected from courses other than CHE)
    - Each student is required to prepare and present two seminars based on a thorough search of the chemical literature.

Grand Total Credits: **30 - 36**

Minimum Credential Hours

30

Program Contact Information

Department of Chemistry 1201 Jesse D. Jones Hall (270) 809-2584

Default Advisor

K. Revell

Chemistry (Minor)

Program Name

Chemistry

Degree

Minor

Program Level

Undergraduate

Department

Chemistry

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Only one course from CHE 330 and 530 may count toward the minor.

A maximum of three hours may be counted from CHE 488.

Program Requirements

- Complete all of the following
  - Completed the following:
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
  - Earned at least 11 credits from the following:
    - CHE305 - Analytical Chemistry (5)
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - CHE320 - Organic Chemistry II (3)
    - CHE325 - Organic Chemistry II Laboratory (3)
    - CHE330 - Basic Biochemistry (3)
    - CHE352 - Basic Chemical Instrumentation (4)
    - CHE400 - Chemical Literature (1)
    - CHE401 - Ethics for the Chemist (1)
    - CHE420 - Physical Chemistry II (4)
    - CHE488 - Cooperative Education/Internship (1 - 3)
    - CHE495 - Senior Research (3)
    - CHE513 - Environmental Chemistry (3)
    - CHE530 - Fundamentals of Biochemistry I (3)
    - CHE565 - Biogeochemistry (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Chemistry 1201 Jesse D. Jones Hall (270) 809-2584

Default Advisor

Dept Chair

Chemistry (area) (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Chemistry (area)

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

400501

Program Level

Undergraduate

Department

Chemistry

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Accreditations

American Chemical Society

Graduation Requirements

Specifically required University Studies courses are required for the area if not taken as University Studies electives.

CSC 232 or EGR 140 may be substituted for CSC 235.

In conjunction with this program, it is possible through careful course selection to obtain an MS degree with one additional year of study following the awarding of the BS degree. Students interested in this MS concentration should contact the graduate coordinator in the department no later than during the junior year.

Specifically Required University Studies

- Completed the following:
  - MAT250 - Calculus and Analytic Geometry I (5)
  - PHY235 - Mechanics, Heat and Wave Motion (4)
  - PHY236 - Mechanics, Heat and Wave Motion Laboratory (1)
  - PHY255 - Electricity, Magnetism and Light (4)
  - PHY256 - Electricity, Magnetism and Light Laboratory (1)

Grand Total Credits: **15**

Program Requirements

- Complete all of the following
  - Completed the following:
    - CHE100T - Transitions (1)
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - CHE305 - Analytical Chemistry (5)
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - CHE320 - Organic Chemistry II (3)
    - CHE325 - Organic Chemistry II Laboratory (3)
    - CHE400 - Chemical Literature (1)
    - CHE401 - Ethics for the Chemist (1)
    - CHE410 - Physical Chemistry I (4)
    - CHE420 - Physical Chemistry II (4)
    - CHE509 - Advanced Inorganic Chemistry I (3)
    - CHE510 - Inorganic Chemistry Laboratory (2)
    - CHE519 - Instrumental Analysis (5)
    - CHE530 - Fundamentals of Biochemistry I (3)
    - CHE576 - Polymer Chemistry (3)
    - CSC235 - Programming in C++ (3)
    - MAT308 - Calculus and Analytic Geometry II (5)
    - MAT309 - Calculus and Analytic Geometry III (4)
  - Required Limited Elective:
  - Completed at least 1 of the following:
    - CHE488 - Cooperative Education/Internship (1 - 3)
    - CHE495 - Senior Research (3)

Grand Total Credits: **66 - 68**

Minimum Credential Hours

120

Program Contact Information

Department of Chemistry 1201 Jesse D. Jones Hall (270) 809-2584

Default Advisor

K. Miller

Chemistry (major) (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Chemistry (major)

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

400501

Program Level

Undergraduate

Department

Chemistry

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Major

Graduation Requirements

Specifically required University Studies courses are required for the area if not taken as University Studies electives.

CSC 232 or EGR 140 may be substituted for CSC 235.

Specifically Required University Studies

- Completed the following:
  - MAT250 - Calculus and Analytic Geometry I (5)
  - PHY130 - General Physics I (3)
  - PHY131 - General Physics I Laboratory (1)
  - PHY132 - General Physics II (3)
  - PHY133 - General Physics II Laboratory (1)

Grand Total Credits: **13**

Program Requirements

- Complete all of the following
  - Completed the following:
    - CHE100T - Transitions (1)
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - CHE305 - Analytical Chemistry (5)
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - CHE320 - Organic Chemistry II (3)
    - CHE352 - Basic Chemical Instrumentation (4)
    - CHE403 - Basic Physical Chemistry (5)
    - CSC235 - Programming in C++ (3)
  - Required Limited Elective:
  - Completed at least 1 of the following:
    - CHE488 - Cooperative Education/Internship (1 - 3)
    - CHE495 - Senior Research (3)
  - Completed at least 21 credits from the following types of courses:
    Required Minor
  - Completed at least 3 credits from the following types of courses:
    At least one three-hour free elective must be chosen from outside Chemistry and may not be counted as a University Studies requirement

Grand Total Credits: **61 - 63**

Minimum Credential Hours

120

Program Contact Information

Department of Chemistry 1201 Jesse D. Jones Hall (270) 809-2584

Default Advisor

K. Miller

Chemistry (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Chemistry/Biochemistry Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Chemistry (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Chemistry/Biochemistry Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

400501

Specialization Level

Undergraduate

Department

Chemistry

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Major

Graduation Requirements

Specifically required University Studies courses are required for the area if not taken as University Studies electives.

CSC 232 or EGR 140 may be substituted for CSC 235.

Specifically Required University Studies

- Completed the following:
  - MAT250 - Calculus and Analytic Geometry I (5)
  - PHY130 - General Physics I (3)
  - PHY131 - General Physics I Laboratory (1)
  - PHY132 - General Physics II (3)
  - PHY133 - General Physics II Laboratory (1)

Grand Total Credits: **13**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - CHE100T - Transitions (1)
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - CHE305 - Analytical Chemistry (5)
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - CHE320 - Organic Chemistry II (3)
    - CHE352 - Basic Chemical Instrumentation (4)
    - CHE403 - Basic Physical Chemistry (5)
    - CHE530 - Fundamentals of Biochemistry I (3)
    - CHE537 - Experimental Biochemistry (3)
    - CHE540 - Fundamentals of Biochemistry II (3)
    - CSC235 - Programming in C++ (3)
  - Completed at least 21 credits from the following types of courses:
    Required Minor (Biology minor strongly recommended)

Grand Total Credits: **66**

Minimum Credential Hours

120

Specialization Contact Information

Department of Chemistry 1201 Jesse D. Jones Hall (270) 809-2584

Default Advisor

R. Volp

Chemistry (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Chemistry/Forensics Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Chemistry (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Chemistry/Forensics Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

400501

Specialization Level

Undergraduate

Department

Chemistry

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Major

Graduation Requirements

Specifically required University Studies courses are required for the area if not taken as University Studies electives.

CSC 232 or EGR 140 may be substituted for CSC 235.

Specifically Required University Studies

- Completed the following:
  - MAT250 - Calculus and Analytic Geometry I (5)
  - PHY130 - General Physics I (3)
  - PHY131 - General Physics I Laboratory (1)
  - PHY132 - General Physics II (3)
  - PHY133 - General Physics II Laboratory (1)

Grand Total Credits: **13**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - CHE100T - Transitions (1)
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - CHE305 - Analytical Chemistry (5)
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - CHE320 - Organic Chemistry II (3)
    - CHE325 - Organic Chemistry II Laboratory (3)
    - CHE403 - Basic Physical Chemistry (5)
    - CSC235 - Programming in C++ (3)
  - Required Limited Electives:
  - Completed the following:
    - ARC335 - Forensic Archaeology (3)
    - CHE330 - Basic Biochemistry (3)
    - CHE352 - Basic Chemical Instrumentation (4)
  - Criminal Justice Minor (a second major in Criminal Justice can substitute for the minor)
  - Completed at least 21 credits from the following types of courses:
    CRJ 220, 333, and 346 are required selections

Grand Total Credits: **66**

Minimum Credential Hours

120

Specialization Contact Information

Department of Chemistry 1201 Jesse D. Jones Hall (270) 809-2584

Default Advisor

R. Johnson

Chemistry (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Chemistry/Polymer and Materials Science Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Chemistry (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Chemistry/Polymer and Materials Science Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

400501

Specialization Level

Undergraduate

Department

Chemistry

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Major

Graduation Requirements

Specifically required University Studies courses are required for the area if not taken as University Studies electives.

CSC 232 or EGR 140 may be substituted for CSC 235.

Specifically Required University Studies

- Completed the following:
  - MAT250 - Calculus and Analytic Geometry I (5)
  - PHY235 - Mechanics, Heat and Wave Motion (4)
  - PHY236 - Mechanics, Heat and Wave Motion Laboratory (1)
  - PHY255 - Electricity, Magnetism and Light (4)
  - PHY256 - Electricity, Magnetism and Light Laboratory (1)

Grand Total Credits: **15**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - CHE100T - Transitions (1)
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - CHE305 - Analytical Chemistry (5)
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - CHE320 - Organic Chemistry II (3)
    - CHE352 - Basic Chemical Instrumentation (4)
    - CHE576 - Polymer Chemistry (3)
    - CHE580 - Principles of Chemical Engineering for Chemists (3)
    - CHE586 - Polymer and Materials Science Laboratory (2)
    - CSC235 - Programming in C++ (3)
    - EGR240 - Thermodynamics I (3)
    - MAT308 - Calculus and Analytic Geometry II (5)
    - MAT338 - Ordinary Differential Equations (3)
  - Required Limited Electives:
  - Earned at least 3 credits from the following:
    - CHE488 - Cooperative Education/Internship (1 - 3)
    - CHE495 - Senior Research (3)
  - Required Physics Minor
  - Completed at least 11 credits from the following types of courses:
    PHY 235, 236, 255, and 256 fulfil ten of the required 22 hours for a physics minor. EGR 375, PHY 370, and six additional hours of upper-level coursework will complete the minor.

Grand Total Credits: **64**

Minimum Credential Hours

120

Specialization Contact Information

Department of Chemistry 1201 Jesse D. Jones Hall (270) 809-2584

Default Advisor

R. Johnson

Chemistry (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Chemistry/Pre-Dental Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Chemistry (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Chemistry/Pre-Dental Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

400501

Specialization Level

Undergraduate

Department

Chemistry

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Major

Graduation Requirements

Specifically required University Studies courses are required for the area if not taken as University Studies electives.

CSC 232 or EGR 140 may be substituted for CSC 235.

Specifically Required University Studies

- Completed the following:
  - MAT250 - Calculus and Analytic Geometry I (5)
  - PHY130 - General Physics I (3)
  - PHY131 - General Physics I Laboratory (1)
  - PHY132 - General Physics II (3)
  - PHY133 - General Physics II Laboratory (1)

Grand Total Credits: **13**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - CHE100T - Transitions (1)
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - CHE305 - Analytical Chemistry (5)
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - CHE320 - Organic Chemistry II (3)
    - CHE352 - Basic Chemical Instrumentation (4)
    - CHE403 - Basic Physical Chemistry (5)
    - CHE530 - Fundamentals of Biochemistry I (3)
    - CSC235 - Programming in C++ (3)
  - Completed at least 1 of the following:
    - ENG204 - Advanced Expository Writing (3)
    - ENG324 - Technical Writing (3)
  - Completed at least 21 credits from the following types of courses:
    Required Minor (Biology minor strongly recommended)

Grand Total Credits: **63**

Minimum Credential Hours

120

Specialization Contact Information

Department of Chemistry 1201 Jesse D. Jones Hall (270) 809-2584

Default Advisor

J. Cox

Chemistry (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Chemistry/Pre-Medical Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Chemistry (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Chemistry/Pre-Medical Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

400501

Specialization Level

Undergraduate

Department

Chemistry

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Major

Graduation Requirements

Specifically required University Studies courses are required for the area if not taken as University Studies electives.

CSC 232 or EGR 140 may be substituted for CSC 235.

Specifically Required University Studies

- Completed the following:
  - MAT250 - Calculus and Analytic Geometry I (5)
  - PHY130 - General Physics I (3)
  - PHY131 - General Physics I Laboratory (1)
  - PHY132 - General Physics II (3)
  - PHY133 - General Physics II Laboratory (1)

Grand Total Credits: **13**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - CHE100T - Transitions (1)
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - CHE305 - Analytical Chemistry (5)
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - CHE320 - Organic Chemistry II (3)
    - CHE352 - Basic Chemical Instrumentation (4)
    - CHE403 - Basic Physical Chemistry (5)
    - CHE530 - Fundamentals of Biochemistry I (3)
    - CSC235 - Programming in C++ (3)
  - Completed at least 1 of the following:
    - ENG204 - Advanced Expository Writing (3)
    - ENG324 - Technical Writing (3)
  - Completed at least 21 credits from the following types of courses:
    Required Minor (Biology minor strongly recommended)

Grand Total Credits: **63**

Minimum Credential Hours

120

Specialization Contact Information

Department of Chemistry 1201 Jesse D. Jones Hall (270) 809-2584

Default Advisor

J. Cox

Chemistry (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Chemistry/Pre-Pharmacy Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Chemistry (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Chemistry/Pre-Pharmacy Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

400501

Specialization Level

Undergraduate

Department

Chemistry

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Major

Description

Colleges of pharmacy will have somewhat different requirements from those listed here. The curriculum can be modified to meet the requirements of most professional programs.

Graduation Requirements

Specifically required University Studies courses are required for the area if not taken as University Studies electives.

CSC 232 or EGR 140 may be substituted for CSC 235.

Specifically Required University Studies

- Completed the following:
  - ECO231 - Microeconomics (3)
  - MAT250 - Calculus and Analytic Geometry I (5)
  - PHY130 - General Physics I (3)
  - PHY131 - General Physics I Laboratory (1)
  - PHY132 - General Physics II (3)
  - PHY133 - General Physics II Laboratory (1)

Grand Total Credits: **16**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - CHE100T - Transitions (1)
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - CHE305 - Analytical Chemistry (5)
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - CHE320 - Organic Chemistry II (3)
    - CHE325 - Organic Chemistry II Laboratory (3)
    - CHE330 - Basic Biochemistry (3)
    - CHE352 - Basic Chemical Instrumentation (4)
    - CHE403 - Basic Physical Chemistry (5)
    - CSC235 - Programming in C++ (3)
    - STA135 - Introduction to Probability and Statistics (4)
  - Completed at least 21 credits from the following types of courses:
    Required Minor (Biology minor is strongly recommended)

Grand Total Credits: **67**

Minimum Credential Hours

120

Specialization Contact Information

Department of Chemistry 1201 Jesse D. Jones Hall (270) 809-2584

Default Advisor

W. Fawzy

Chemistry (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Chemistry/Secondary Certification (Grades 8-12) Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Chemistry (major) (BA/BS: Bachelor of Arts or Bachelor of Science) - Chemistry/Secondary Certification (Grades 8-12) Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

400501

Specialization Level

Undergraduate

Department

Chemistry

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Major

Graduation Requirements

Note: Requirements for teacher certification are established by the Kentucky Education Professional Standards Board. Students are cautioned that requirements may change. For current information, students should check with an advisor in the Department of Adolescent, Career and Special Education.

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, a public speaking course, and EDU 180 or equivalent course. Additional requirements for admission to teacher education and student teaching must be met. Students should see their academic advisor or the Office of Teacher Education Services for details.

Specifically required University Studies courses are required for the area if not taken as University Studies electives. Students pursuing a Physics minor may substitute PHY 235/236 and 255/256 for PHY 130/131 and 132/133.

EDU 480 and SEC 420 must be taken together two semesters before student teaching.

SEC 422 must be taken one semester before student teaching.

Specifically Required University Studies

- Completed the following:
  - MAT250 - Calculus and Analytic Geometry I (5)
  - PHY130 - General Physics I (3)
  - PHY131 - General Physics I Laboratory (1)
  - PHY132 - General Physics II (3)
  - PHY133 - General Physics II Laboratory (1)

Grand Total Credits: **13**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - CHE100T - Transitions (1)
    - CHE120 - Chemical Laboratory Safety (1)
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - CHE305 - Analytical Chemistry (5)
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - CHE320 - Organic Chemistry II (3)
    - CHE403 - Basic Physical Chemistry (5)
  - Required Limited Electives:
  - Completed at least 1 of the following:
    - CHE330 - Basic Biochemistry (3)
    - CHE352 - Basic Chemical Instrumentation (4)
    - CHE504 - Fundamentals of Toxicology (3)
    - CHE513 - Environmental Chemistry (3)
  - Secondary Certification Courses:
  - Earned a minimum grade of B in each of the following:
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)
  - Completed the following:
    - SEC420 - Practicum in Secondary Schools (3)
    - SEC421 - Student Teaching in the Secondary School (7 - 14)
    - SEC422 - Extended Practicum (4)
  - Completed at least 21 credits from the following types of courses: Required Minor

Grand Total Credits: **80 - 88**

Minimum Credential Hours

120

Specialization Contact Information

Department of Chemistry 1201 Jesse D. Jones Hall (270) 809-2584

Default Advisor

R. Whittaker

Civil and Sustainability Engineering (BSE: Bachelor of Science in Engineering)

Program Name

Civil and Sustainability Engineering

Degree

BSE: Bachelor of Science in Engineering

CIP Code

140801

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Specifically Required University Studies

- Completed the following:
  - CHE201 - General College Chemistry (5)
  - ECO230 - Macroeconomics (3)
  - MAT250 - Calculus and Analytic Geometry I (5)
  - MAT308 - Calculus and Analytic Geometry II (5)
  - PHY235 - Mechanics, Heat and Wave Motion (4)
  - PHY236 - Mechanics, Heat and Wave Motion Laboratory (1)

Grand Total Credits: **23**

Program Requirements

- Complete all of the following
  - Completed the following:
    - EGR100T - Transitions (1)
    - EGR101 - Introduction to Engineering (3)
    - CSE284 - Sustainable Design (3)
    - CSE330 - Water Quality I (3)
    - CSE331 - Water Quality II (3)
    - CSE382 - Hydraulics (4)
    - CSE410 - Transportation Systems and Design (3)
    - CSE481 - Structural Analysis (3)
    - CSE482 - Steel and Concrete Design (3)
    - CSE483 - Construction Materials (4)
    - CSE484 - Soil Mechanics and Foundations (4)
    - CSE498 - Senior Design I (3)
    - CSE585 - Remediation Engineering (3)
    - EGR259 - Statics (3)
    - EGR359 - Mechanics of Materials (3)
    - EGR488 - Cooperative Education/Internship (1 - 3)
    - MAT338 - Ordinary Differential Equations (3)
    - PHY255 - Electricity, Magnetism and Light (4)
    - PHY256 - Electricity, Magnetism and Light Laboratory (1)
    - STA135 - Introduction to Probability and Statistics (4)
  - Required Courses:
  - Completed the following:
    - CMA107 - Introduction to Technical Drawing and Computer Aided Drafting (4)
    - CMA280 - Plane Surveying (3)
    - CMA385 - Construction Estimating I (3)
    - CMA480 - Construction Planning and Management (3)
    - EES101 - The Earth and the Environment (4)
    - ENT393 - Engineering Economy (3)

Grand Total Credits: **79 - 81**

Minimum Credential Hours

120

Program Contact Information

Institute of Engineering 263A Collins Center (270) 809-3392

Default Advisor

M. Kemp

Civil Engineering Technology (AS: Associate of Science)

Program Name

Civil Engineering Technology

Degree

AS: Associate of Science

CIP Code

150201

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Major

Specifically Required University Studies

- Completed the following:
  - PHY130 - General Physics I (3)
  - PHY131 - General Physics I Laboratory (1)

Grand Total Credits: **4**

Program Requirements

- Complete all of the following
  - Completed the following:
    - CMA107 - Introduction to Technical Drawing and Computer Aided Drafting (4)
    - CMA280 - Plane Surveying (3)
    - CMA284 - Sustainable Design and Construction (3)
    - CMA385 - Construction Estimating I (3)
    - ENG324 - Technical Writing (3)
    - ENT100T - Transitions (1)
    - ENT287 - Statics for Technology (3)
    - ENT358 - Mechanical and Electrical Systems (3)
  - Support Courses:
  - Completed the following:
    - EES101 - The Earth and the Environment (4)
    - MAT130 - Technical Math I (5)
    - PHY132 - General Physics II (3)
    - PHY133 - General Physics II Laboratory (1)

Grand Total Credits: **36**

Minimum Credential Hours

60

Program Contact Information

Institute of Engineering 763A Collins Center (270) 809-3392

Default Advisor

M. Kemp

Construction Management and Architecture/Architectural Design Track (BS: Bachelor of Science)

Program Name

Construction Management and Architecture/Architectural Design Track

Degree

BS: Bachelor of Science

CIP Code

150201

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Description

A baccalaureate degree in construction management and architecture provides students with a background in the design of steel and concrete structures, surveying, soil mechanics and foundations, construction materials, and engineering mechanics. Potential employers include construction companies, consulting engineering and architectural firms, state and federal governments, municipalities, testing laboratories, surveying firms, utilities, and materials suppliers. This program prepares graduates for careers in design (working with a team of engineers or architects in the preparation of engineering or architectural design documents), construction (as a field engineer, project engineer, or surveyor), or technical sales.

Architectural Design Track
The architectural design track provides students with a background in architectural design, computer-aided design, building structures and structural design, steel and concrete structures, surveying and site planning, and construction estimating. Potential employers include architectural firms, construction (design/build) companies, consulting engineering firms, state and federal governments, municipalities, materials suppliers, and utilities. Architectural engineering technologists are educated in the process of taking a project from the drawing to the completed structure. Working together with architects and engineers, they assist in producing drawings and specifications for major construction projects. Architectural engineering technology prepares graduates for careers in architectural design, planning, development, and construction as well as technical or sales positions in a variety of manufacturing organizations associated with the building industry. An architectural engineering technology graduate seeking registration/licensure as an architect would usually pursue a Master of Architecture degree, typically requiring two or three years of additional study.

Specifically Required University Studies

- Completed the following:
    - ECO230 - Macroeconomics (3)
    - EES101 - The Earth and the Environment (4)
    - MAT140 - College Algebra (4)
    - MAT145 - Trigonometry (3)
    - PHY130 - General Physics I (3)
    - PHY131 - General Physics I Laboratory (1)
    - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **22**

Program Requirements

- Complete all of the following
  - Core Courses:
  - Completed the following:
    - CMA107 - Introduction to Technical Drawing and Computer Aided Drafting (4)
    - CMA110 - Introduction to Construction Management and Architecture (3)
    - CMA210 - Construction Documents (3)
    - CMA280 - Plane Surveying (3)
    - CMA284 - Sustainable Design and Construction (3)
    - CMA310 - Anatomy of Buildings (3)
    - CMA385 - Construction Estimating I (3)
    - CMA470 - Steel and Concrete in Construction (3)
    - CMA480 - Construction Planning and Management (3)
    - CMA483 - Construction Materials (4)
    - CMA490 - Construction Scheduling and Methods (3)
    - ENT100T - Transitions (1)
    - ENT265 - Statics and Strengths of Materials (4)
    - ENT358 - Mechanical and Electrical Systems (3)
    - ENT393 - Engineering Economy (3)
    - ENT419 - Senior Project I (3)
    - IOE350 - Technology Management (3)
    - IOE399 - Professional Development Seminar I (1)
    - IOE488 - Cooperative Education/Internship (1 - 3)
  - Track Courses:
  - Completed the following:
    - CMA108 - Architectural Rendering (4)
    - CMA301 - Architectural Design Studio I (4)
    - CMA401 - Architectural Design Studio II (4)
    - CMA503 - Architectural Design Studio III (4)
  - Completed at least 9 credits from the following types of courses:
    Technical Electives

Grand Total Credits: **79 - 81**

Minimum Credential Hours

120

Program Contact Information

Institute of Engineering 763A Collins Center (270) 809-3392

Default Advisor

K. Perry

Construction Management and Architecture/Construction Management Track (BS: Bachelor of Science)

Program Name

Construction Management and Architecture/Construction Management Track

Degree

BS: Bachelor of Science

CIP Code

150201

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Description

A baccalaureate degree in construction management and architecture provides students with a background in the design of steel and concrete structures, surveying, soil mechanics and foundations, construction materials, and engineering mechanics. Potential employers include construction companies, consulting engineering and architectural firms, state and federal governments, municipalities, testing laboratories, surveying firms, utilities, and materials suppliers. This program prepares graduates for careers in design (working with a team of engineers or architects in the preparation of engineering or architectural design documents), construction (as a field engineer, project engineer, or surveyor), or technical sales.

Construction Management Track
The construction management track provides students with experience in construction, estimating, project management, scheduling, surveying, building structures, construction materials, and engineering mechanics. The curriculum stresses the application of technical knowledge, construction methods, problem-solving ability, and communication skills toward the completion of large-scale construction projects. Career opportunities for the construction-engineering technologist are as diverse as the industry. Potential employers include construction companies, general contractors, subcontractors, construction equipment and materials suppliers, testing laboratories, governments, industrial companies, and utilities.

This program prepares graduates for supervisory and managerial careers within the construction industry. The student will be qualified for an entry-level position as a construction project engineer, project manager, estimator, sales engineer, or field engineer.

Specifically Required University Studies

- Completed the following:
  - ECO230 - Macroeconomics (3)
  - EES101 - The Earth and the Environment (4)
  - MAT140 - College Algebra (4)
  - MAT145 - Trigonometry (3)
  - PHY130 - General Physics I (3)
  - PHY131 - General Physics I Laboratory (1)
  - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **22**

Program Requirements

- Complete all of the following
  - Core Courses:
  - Completed the following:
    - CMA107 - Introduction to Technical Drawing and Computer Aided Drafting (4)
    - CMA110 - Introduction to Construction Management and Architecture (3)
    - CMA210 - Construction Documents (3)
    - CMA280 - Plane Surveying (3)
    - CMA284 - Sustainable Design and Construction (3)
    - CMA310 - Anatomy of Buildings (3)
    - CMA385 - Construction Estimating I (3)
    - CMA470 - Steel and Concrete in Construction (3)
    - CMA480 - Construction Planning and Management (3)
    - CMA483 - Construction Materials (4)
    - CMA490 - Construction Scheduling and Methods (3)
    - ENT100T - Transitions (1)
    - ENT265 - Statics and Strengths of Materials (4)
    - ENT358 - Mechanical and Electrical Systems (3)
    - ENT393 - Engineering Economy (3)
    - ENT419 - Senior Project I (3)
    - IOE350 - Technology Management (3)
    - IOE399 - Professional Development Seminar I (1)
    - IOE488 - Cooperative Education/Internship (1 - 3)
  - Track Courses:
  - Completed the following:
    - ACC200 - Principles of Financial Accounting (3)
    - ACC201 - Principles of Managerial Accounting (3)
    - CMA305 - Advanced Technology in Construction (3)
    - CMA386 - Construction Estimating II (3)
    - OSH384 - Construction Safety (3)
  - Completed at least 10 credits from the following types of courses:
    Technical Electives

Grand Total Credits: **79 - 81**

Minimum Credential Hours

120

Program Contact Information

Institute of Engineering 763A Collins Center (270) 809-3392

Default Advisor

K. Perry

Cybersecurity and Network Management (BS: Bachelor of Science)

Program Name

Cybersecurity and Network Management

Degree

BS: Bachelor of Science

CIP Code

111003

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Accreditations

National Security Administration (NSA)

Specifically Required University Studies

- Completed the following:
  - CSC101 - Introduction to Problem Solving Using Computers (3)
  - CSC199 - Introduction to Information Technology (3)
  - ECO231 - Microeconomics (3)
  - MAT140 - College Algebra (4)
  - PHY125 - Brief Introductory Physics (4)
  - PHY126 - Brief Introductory Physics Laboratory (1)
  - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **22**

Program Requirements

- Complete all of the following
  - Completed the following:
    - ACC200 - Principles of Financial Accounting (3)
    - CIS307 - Decision Support Technologies (3)
    - CIS317 - Principles of Information Systems Analysis and Design (3)
    - CNM100T - Transitions (1)
    - CNM135 - Introduction to Network Technology (3)
    - CNM232 - Operating Systems (3)
    - CNM241 - Networking Fundamentals (3)
    - CNM302 - Internet of Things Networking (3)
    - CNM320 - Introduction to Wireless Technology (3)
    - CNM323 - Wireless Mobile Internet (3)
    - CNM324 - Wireless Communications Security (3)
    - CNM343 - Protocol Analysis (3)
    - CNM351 - Principles of Information Security (3)
    - CNM353 - Network Security (3)
    - CNM411 - Network Design, Operations and Management (3)
    - CNM440 - Information Assurance Policy and Management (3)
    - CNM443 - Voice and WAN Systems (3)
    - CNM488 - Cooperative Education/Internship (1 - 3)
    - CSC235 - Programming in C++ (3)
    - FIN330 - Principles of Finance (3)
    - IOE350 - Technology Management (3)
    - IOE399 - Professional Development Seminar I (1)
    - MKT360 - Principles of Marketing (3)
  - Selected Emphasis: 1) Select 15 hours from any of the courses listed below or 2) Select two emphasis areas (see advisor for emphasis list options) and complete 15 hours. Note: When selecting courses for an area of emphasis or as an elective, a maximum of nine hours may be selected from courses with a business prefix including: MGT or MKT. Adherence to course prerequisites is critical.
  - Earned at least 15 credits from the following:
    - CNM322 - Wireless Communications II (3)
    - CNM323 - Wireless Mobile Internet (3)
    - CNM345 - Linux Server Administration (3)
    - CNM360 - Virtualized Enterprise Systems (3)
    - CNM441 - Advanced Information Security (3)
    - CNM444 - Enterprise Networks (3)
    - CNM450 - Telecommunications Policy and Strategies (3)
    - CNM517 - Systems Planning (3)
    - CSC310 - Database Administration (3)
    - CSC370 - Introduction to Artificial Intelligence (3)
    - ECO335 - Economics and Public Policy of Telecommunication Industry (3)
    - MGT358 - Entrepreneurial Business Plan Development (3)
    - MKT475 - Digital Marketing (3)
    - TSM321 - Wireless Communications I (3)

Grand Total Credits: **78 - 80**

Minimum Credential Hours

120

Program Contact Information

Institute of Engineering 263A Collins Center (270) 809-3392

Default Advisor

A. Yarali

Earth and Environmental Sciences (MS: Master of Science)

Program Name

Earth and Environmental Sciences

Degree

MS: Master of Science

CIP Code

400601

Program Level

Graduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Graduate Program Type

Graduate Degree

Description

The Department of Earth and Environmental Sciences offers a Master of Science degree in Earth and Environmental Sciences (MS in EES) and a Master of Science degree in Sustainability Science. For the MS in EES program, students choose the thesis or non-thesis option. Four concentrations are offered for the thesis option: archaeology, environmental geology, geoinformatics, and watershed science. Each student's program is developed in consultation with the graduate coordinator.

The **Archaeology Concentration** is an interdisciplinary master's degree program designed to prepare students for further graduate studies or careers in the public or private sector. The archaeology concentration offers students a broad range of options to develop a curriculum that matches their particular interests and needs. The archaeology concentration emphasizes the relationship between human culture and the natural environment and provides opportunities to apply the principles and methods of archaeology to reconstruct the past to better understand our cultural heritage.

The **Environmental Geology Concentration** is an interdisciplinary master's program that focuses on the chemical, physical, and biological aspects of environmental change both in the present and in the geologic past. It prepares students for future graduate studies or careers in either the public or private sector.

The **Geoinformatics Concentration** is designed to prepare students for further graduate studies or careers in the field of geospatial information science and technology. Geospatial technology is a fast growing field with broad and multidisciplinary applications that has penetrated every aspect of our daily lives. The Geoinformatics Concentration provides students with up-to-date training on geospatial theory, application, and technology.

The **Watershed Science Concentration** is jointly sponsored between the Department of Earth and Environmental Sciences and the Watershed Studies Institute (WSI). It is an interdisciplinary master's program within the Jones College of Science, Engineering and Technology designed to prepare students for careers or for further graduate studies in the broader aspects of watershed management and science. The student's program is developed in consultation with the graduate coordinator.

Earth and Environmental Sciences is closely associated with the Mapping Applications and Resources Center (MARC) where hardware and software related to remote sensing and geographic information science are located. Students also have the opportunity to conduct research through activities of the department's Archaeology Laboratory.

Requirements for Admission

Applicants must meet the Murray State University requirements (see *Graduate Admissions*). The department requires that three letters of recommendation accompany application materials. A letter discussing reasons for the applicant's interest in the program should also be forwarded. Additional requirements for unconditional and conditional admission are as follows.

Unconditional

To qualify for unconditional admission, an applicant must have an overall grade point average of 3.0 (on a 4.0 scale) in an earth and environmental sciences (or related) field.

Conditional

Students admitted conditionally are admitted to full standing after completing (1) any remedial courses required by the graduate faculty and (2) one semester of graduate work with an overall grade point average of 3.0 or above.

Graduation Requirements

Other Degree Requirements

Written and oral comprehensive examinations

Program Requirements

- Complete all of the following
  - Completed the following:
    - EES612 - Remote Sensing (4)
    - EES619 - Seminar in Research Techniques (3)
    - EES621 - Geographic Information Systems (4)
    - EES680 - Advanced Geographic Information Systems (3)
    - EES696 - Understanding Scientific Communication (2)
  - Electives:
  - Earned at least 9 credits from EES 600 - 699
  - Completed at least 5 credits from the following types of courses:
    600-level EES or related courses

Grand Total Credits: **30**

Minimum Credential Hours

30

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

H. Cetin

Earth and Environmental Sciences (MS: Master of Science) - Earth and Environmental Sciences/Archaeology Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Earth and Environmental Sciences (MS: Master of Science) - Earth and Environmental Sciences/Archaeology Concentration

Degree

MS: Master of Science

CIP Code

400601

Specialization Level

Graduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Graduation Requirements

Other Degree Requirements
Defense of thesis

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ARC600 - Graduate Seminar in Archaeology (3)
    - EES619 - Seminar in Research Techniques (3)
    - EES621 - Geographic Information Systems (4)
    - EES696 - Understanding Scientific Communication (2)
    - EES698 - Thesis Research (3)
    - EES699 - Thesis Research (3)
  - Geoarchaeology Restricted Electives:
  - Completed at least 1 of the following:
    - ARC602 - Graduate Archaeological Field Work (1 - 5)
    - EES636 - Soils and Geomorphology (3)
    - EES656 - Geophysical Surveying (3)
  - Earned at least 9 credits from the following:
    - ARC604 - Archaeological Laboratory Systems (1)
    - ARC605 - Archaeological Information Systems (3)
    - ARC610 - Landscape Archaeology (3)
    - ARC615 - Environmental Archaeology (3)
    - ARC620 - Human Ecology (3)
    - EES612 - Remote Sensing (4)
    - EES680 - Advanced Geographic Information Systems (3)
    - EES691 - Special Problems (1)
    - EES692 - Special Problems (2)
    - EES693 - Special Problems (3)
    - STA665 - Applied Statistics I (4)
    - WSC601 - Seminar in Sustainability Studies (2)

Grand Total Credits: **28 - 32**

Minimum Credential Hours

30

Specialization Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

H. Cetin

Earth and Environmental Sciences (MS: Master of Science) - Earth and Environmental Sciences/Environmental Geology Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Earth and Environmental Sciences (MS: Master of Science) - Earth and Environmental Sciences/Environmental Geology Concentration

Degree

MS: Master of Science

CIP Code

400601

Specialization Level

Graduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Graduation Requirements

Other Degree Requirements
Defense of thesis

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - EES619 - Seminar in Research Techniques (3)
    - EES621 - Geographic Information Systems (4)
    - EES696 - Understanding Scientific Communication (2)
    - EES698 - Thesis Research (3)
    - EES699 - Thesis Research (3)
  - Environmental Geology Restricted Electives:
  - Completed at least 2 of the following:
    - BIO686 - Limnology (4)
    - CHE665 - Biogeochemistry (3)
    - EES616 - Isotope Geochemistry (3)
    - EES633 - Paleoecology (3)
    - EES642 - Watershed Ecology (3)
    - EES680 - Advanced Geographic Information Systems (3)
  - Earned at least 9 credits from the following:
    - ARC615 - Environmental Archaeology (3)
    - BIO623 - Physiological Ecology (4)
    - BIO625 - Biogeography (3)
    - BIO632 - Quantitative Ecology (4)
    - BIO646 - Stream Ecology (4)
    - BIO678 - Conservation Biology (4)
    - BIO690 - Disturbance Ecology (3)
    - CHE613 - Environmental Chemistry (3)
    - EES636 - Soils and Geomorphology (3)
    - EES662 - Hydrogeology (3)
    - EES665 - Physical/Chemical Limnology (3)
    - EES691 - Special Problems (1)
    - EES692 - Special Problems (2)
    - EES693 - Special Problems (3)
    - ENT655 - Environmental Regulatory Affairs (3)
    - ENT681 - Pollution Assessment and Control (3)
    - STA665 - Applied Statistics I (4)
    - WSC601 - Seminar in Sustainability Studies (2)

Grand Total Credits: **30 - 31**

Minimum Credential Hours

30

Specialization Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

H. Cetin

Earth and Environmental Sciences (MS: Master of Science) - Earth and Environmental

Sciences/Geoinformatics Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Earth and Environmental Sciences (MS: Master of Science) - Earth and Environmental Sciences/Geoinformatics Concentration

Degree

MS: Master of Science

CIP Code

400601

Specialization Level

Graduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Graduation Requirements

Other Degree Requirements
Defense of thesis

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - EES612 - Remote Sensing (4)
    - EES619 - Seminar in Research Techniques (3)
    - EES621 - Geographic Information Systems (4)
    - EES640 - Advanced Remote Sensing (3)
    - EES680 - Advanced Geographic Information Systems (3)
    - EES696 - Understanding Scientific Communication (2)
    - EES698 - Thesis Research (3)
    - EES699 - Thesis Research (3)
  - Geoinformatics Restricted Electives:
  - Earned at least 5 credits from the following:
    - CIS609 - Data Management (3)
    - CIS615 - Information System Security (3)
    - EES622 - Advanced Cartography (3)
    - EES641 - Digital Image Processing Research (3)
    - EES656 - Geophysical Surveying (3)
    - EES660 - Spatial Analysis Techniques (3)
    - EES661 - Precision GIS/GPS Applications (1 - 3)
    - EES678 - Terrestrial Ecosystem Modeling (3)
    - EES679 - Remote Sensing of Vegetation (3)
    - EES691 - Special Problems (1)
    - EES692 - Special Problems (2)
    - EES693 - Special Problems (3)
    - STA665 - Applied Statistics I (4)

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

H. Cetin

Earth and Environmental Sciences (MS: Master of Science) - Earth and Environmental Sciences/Watershed Science Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Earth and Environmental Sciences (MS: Master of Science) - Earth and Environmental Sciences/Watershed Science Concentration

Degree

MS: Master of Science

CIP Code

400601

Specialization Level

Graduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Graduation Requirements

Other Degree Requirements

- Successful completion of STA 665 Applied Statistics I if substituted for EES 619
- Written and oral comprehensive examinations as specified by the advisory committee in broad aspects of watershed science and area of concentration (usually taken in third semester of residence)
- Defense of thesis

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - EES619 - Seminar in Research Techniques (3)
    - EES621 - Geographic Information Systems (4)
    - EES642 - Watershed Ecology (3)
    - EES696 - Understanding Scientific Communication (2)
    - EES698 - Thesis Research (3)
    - EES699 - Thesis Research (3)
  - Watershed Science Restricted Electives:
  - Courses must be approved by the advisor committee and represent at least two disciplines.
  - Earned at least 12 credits from the following:
    - AGR674 - Agricultural Irrigation and Water Systems (3)
    - BIO625 - Biogeography (3)
    - BIO630 - Advanced Ecology (4)
    - BIO631 - Plant Ecology (4)
    - BIO632 - Quantitative Ecology (4)
    - BIO646 - Stream Ecology (4)
    - BIO661 - Freshwater Invertebrates (4)
    - BIO663 - Aquatic Entomology (4)
    - BIO668 - Wetland Ecology (4)
    - BIO669 - Biological Limnology (3)
    - BIO670 - Limnological Analysis Laboratory (4)
    - BIO671 - Ichthyology (4)
    - BIO672 - Herpetology (4)
    - BIO678 - Conservation Biology (4)
    - BIO682 - Waterfowl Management (4)
    - BIO683 - Fisheries Management (4)
    - BIO686 - Limnology (4)
    - BIO687 - Freshwater Biology (4)
    - BIO688 - Reservoir Ecology (4)
    - BIO690 - Disturbance Ecology (3)
    - CHE613 - Environmental Chemistry (3)
    - CHE617 - Advanced Organic Chemistry (3)
    - CHE627 - Chemical Separations (3)
    - CHE628 - Mass Spectrometry (3)
    - CHE665 - Biogeochemistry (3)
    - EES616 - Isotope Geochemistry (3)
    - EES636 - Soils and Geomorphology (3)
    - EES640 - Advanced Remote Sensing (3)
    - EES641 - Digital Image Processing Research (3)
    - EES643 - Soil Micromorphology (4)
    - EES662 - Hydrogeology (3)
    - EES665 - Physical/Chemical Limnology (3)
    - EES678 - Terrestrial Ecosystem Modeling (3)
    - EES679 - Remote Sensing of Vegetation (3)
    - EES680 - Advanced Geographic Information Systems (3)
    - ENT655 - Environmental Regulatory Affairs (3)
    - ENT681 - Pollution Assessment and Control (3)
    - ENT685 - Remediation Technology (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Specialization Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

H. Cetin

Earth and Environmental Sciences/Archaeology Track (BS: Bachelor of Science)

Program Name

Earth and Environmental Sciences/Archaeology Track

Degree

BS: Bachelor of Science

CIP Code

400601

Program Level

Undergraduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Graduation Requirements

Several required courses may also be used to meet University Studies requirements. Students are encouraged to work with their academic advisors to identify which University Studies courses to complete in order to help reduce the total number of credits required.

Specifically Required University Studies

- Completed the following:
  - ANT140 - Exploring World Cultures (3)

Grand Total Credits: **3**

Program Requirements

- Complete all of the following
  - Completed the following:
    - ARC150 - Introduction to Archaeology (3)
    - ARC300 - Archaeological Method and Theory (3)
    - ARC304 - Archaeological Laboratory Methods (1)
    - ARC320 - Human Ecology (3)
    - ARC330 - North American Archaeology (3)
    - ARC390 - Geoarchaeology (3)
    - EES100T - Transitions (1)
    - EES101 - The Earth and the Environment (4)
    - EES110 - World Geography (3)
    - EES202 - Introduction to Geographic Information Science (4)
    - EES301 - Understanding Scientific Communication (3)
    - EES312 - Introduction to Remote Sensing (4)
    - EES336 - Principles of Geomorphology (4)
  - Earned at least 5 credits from the following:
    - ARC302 - Archaeological Field Work I (1 - 6)
    - ARC402 - Archaeological Field Work II (1 - 5)
    - ARC510 - Advanced Archaeological Field Work (1 - 5)
  - Required Limited Electives:
  - Earned at least 14 credits from the following:
    - ANT311 - Anthropology of Complex Societies (3)

        - ANT325 - Biological Anthropology (3)
        - ANT329 - North American Indians (3)
        - ANT390 - Anthropology of Development (3)
        - ARC314 - Sediments and Soils (4)
        - ARC315 - Special Topics in Archaeology (1 - 3)
        - ARC321 - Ancient Civilizations (3)
        - ARC335 - Forensic Archaeology (3)
        - ARC340 - Archaeology of Africa (3)
        - ARC345 - Archaeology of Ancient Mexico, Central America, and the Caribbean (3)
        - ARC350 - Public Archaeology (3)
        - ARC355 - Pottery and People (3)
        - ARC357 - Lithic Analysis (4)
        - ARC360 - Historical Archaeology (3)
        - ARC370 - Archaeology of the Eastern Woodlands (3)
        - ARC385 - Archaeology of Eastern Asia (3)
        - ARC389 - Archaeology and Political Ecology of Empires (3)
        - ARC395 - Archaeology of Religion (3)
        - ARC402 - Archaeological Field Work II (1 - 5)
        - ARC425 - Advanced Archaeological Laboratory Methods (3)
        - ARC488 - Cooperative Education/Internship (1 - 3)
        - ARC489 - Cooperative Education/Internship (1 - 3)
        - ARC500 - Directed Studies (1 - 3)
        - ARC510 - Advanced Archaeological Field Work (1 - 5)
        - ARC556 - Geophysical Surveying (3)
        - CMA280 - Plane Surveying (3)
        - EES305 - Introduction to Cartography (3)
        - EES306 - Landscapes of the National Parks (3)
        - EES310 - Rocks and Mineral Resources (3)
        - EES350 - Field Techniques in Geosciences (3)
        - EES388 - International Experience in the Geosciences (3)
        - EES521 - Geographic Information Systems (4)
    - Collateral Requirements:
    - Complete 1 of the following
        - Completed at least courses from MAT 150 - 599
        - Completed at least 1 courses from STA 135 - 599
    - Completed at least 1 of the following:
        - CSC101 - Introduction to Problem Solving Using Computers (3)
        - CSC199 - Introduction to Information Technology (3)

Grand Total Credits: **61**

Minimum Credential Hours

120

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

Q. Zhang

Earth and Environmental Sciences/Earth Science Secondary Certification (Grades 8-12) Track (BS: Bachelor of Science)

Program Name

Earth and Environmental Sciences/Earth Science Secondary Certification (Grades 8-12) Track

Degree

BS: Bachelor of Science

CIP Code

400601

Program Level

Undergraduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Graduation Requirements

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, and a public speaking course. Additional requirements for admission to teacher education and student teaching must be met. Students should see their academic advisor or the Office of Teacher Education Services for details.

EDU 480 and SEC 420 must be taken together two semesters before student teaching.

SEC 422 must be taken one semester before student teaching.

Specifically Required University Studies

- Completed the following:
  - ARC150 - Introduction to Archaeology (3)
  - CSC101 - Introduction to Problem Solving Using Computers (3)
  - EES101 - The Earth and the Environment (4)
  - EES102 - Earth Through Time (4)
  - EES110 - World Geography (3)
  - MAT150 - Algebra and Trigonometry (5)

Grand Total Credits: **22**

Program Requirements

- Complete all of the following
  - Completed the following:
    - ARC320 - Human Ecology (3)
    - AST115 - Introductory Astronomy (3)
    - AST116 - Introductory Astronomy Laboratory (1)
    - EES100T - Transitions (1)
    - EES125 - Weather and Climate (4)
    - EES202 - Introduction to Geographic Information Science (4)
    - EES301 - Understanding Scientific Communication (3)
    - EES303 - Introduction to Water Science (3)
    - EES312 - Introduction to Remote Sensing (4)
    - EES336 - Principles of Geomorphology (4)
  - Completed at least 1 of the following:
    - EES339 - Field Geology (3)
    - EES350 - Field Techniques in Geosciences (3)
  - Required Limited Electives:
  - Completed at least 12 credits from the following types of courses:
    Upper-level courses from the list of approved electives shown under the Geology Track
  - Note: The National Science Teachers Association (NSTA) recommends a minimum of one course from each of the following three areas, with total of recommended supplemental science hours to include no fewer than 16 semester hours.
  - A. Biology: BIO 101, 221, 222 B. Chemistry: CHE 101, 105, 201, 202 C. Physics: PHY 235 and 236; PHY 255 and 256
  - Required for Secondary Certification:
  - Earned a minimum grade of B in each of the following:
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)
  - Completed the following:
    - SEC420 - Practicum in Secondary Schools (3)
    - SEC421 - Student Teaching in the Secondary School (7 - 14)
    - SEC422 - Extended Practicum (4)

Grand Total Credits: **71 - 78**

Minimum Credential Hours

120

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

Q. Zhang

Earth and Environmental Sciences/Environmental Sciences Track (BS: Bachelor of Science)

Program Name

Earth and Environmental Sciences/Environmental Sciences Track

Degree

BS: Bachelor of Science

CIP Code

400601

Program Level

Undergraduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Graduation Requirements

Several required courses may also be used to meet University Studies requirements. Students are encouraged to work with their academic advisors to identify which University Studies courses to complete in order to help reduce the total number of credits required.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ARC150 - Introduction to Archaeology (3)
    - ARC320 - Human Ecology (3)
    - CHE105 - Introductory Chemistry (4)
    - ECO231 - Microeconomics (3)
    - EES100T - Transitions (1)
    - EES101 - The Earth and the Environment (4)
    - EES103 - Saving Planet Earth (3)
    - EES110 - World Geography (3)
    - EES125 - Weather and Climate (4)
    - EES202 - Introduction to Geographic Information Science (4)
    - EES210 - Hydrology (3)
    - EES301 - Understanding Scientific Communication (3)
    - EES312 - Introduction to Remote Sensing (4)
    - EES336 - Principles of Geomorphology (4)
    - EES350 - Field Techniques in Geosciences (3)
    - EES424 - Conservation and Environmental Geosciences (3)
  - Required Limited Electives:
  - Earned at least 6 credits from the following:
    - BIO101 - Biological Concepts (4)
    - CHE210 - Brief Organic Chemistry (3)
    - ECO345 - Environmental Economics (3)
    - EES200 - Introduction to Oceanography (3)
    - EES303 - Introduction to Water Science (3)
    - EES305 - Introduction to Cartography (3)
    - EES314 - Sediments and Soils (4)
    - EES426 - Applied Meterology (4)
    - EES489 - Cooperative Education/Internship (1 - 3)
    - EES507 - Land Use Planning (3)
    - EES536 - Soils and Geomorphology (3)
    - EES542 - Watershed Ecology (3)
    - EES562 - Hydrogeology (3)
    - EES565 - Biogeochemistry (3)
    - EES578 - Terrestrial Ecosystem Modeling (3)
    - EES579 - Remote Sensing of Vegetation (3)
    - EES591 - Special Problems (1)
    - EES592 - Special Problems (2)
    - EES593 - Special Problems (3)
    - ENG371 - Literature and the Environment (3)
    - ENT286 - Introduction to Environmental Engineering Technology (3)
    - PHI376 - Environmental Ethics (3)
  - Collateral Requirement:
  - Completed at least 1 of the following:
    - CSC101 - Introduction to Problem Solving Using Computers (3)
    - CSC199 - Introduction to Information Technology (3)
  - Completed at least 1 of the following:
    - MAT150 - Algebra and Trigonometry (5)
    - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **65 - 66**

Minimum Credential Hours

120

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

Q. Zhang

Earth and Environmental Sciences/Geography and GIS Track (BS: Bachelor of Science)

Program Name

Earth and Environmental Sciences/Geography and GIS Track

Degree

BS: Bachelor of Science

CIP Code

400601

Program Level

Undergraduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Graduation Requirements

Several required courses may also be used to meet University Studies requirements. Students are encouraged to work with their academic advisors to identify which University Studies courses to complete in order to help reduce the total number of credits required.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ARC150 - Introduction to Archaeology (3)
    - ARC320 - Human Ecology (3)
    - EES100T - Transitions (1)
    - EES101 - The Earth and the Environment (4)
    - EES110 - World Geography (3)
    - EES125 - Weather and Climate (4)
    - EES202 - Introduction to Geographic Information Science (4)
    - EES301 - Understanding Scientific Communication (3)
    - EES305 - Introduction to Cartography (3)
    - EES312 - Introduction to Remote Sensing (4)
    - EES330 - Economic Geography (3)
    - EES336 - Principles of Geomorphology (4)
    - EES512 - Remote Sensing (4)
    - EES521 - Geographic Information Systems (4)
  - Required Limited Electives:
  - Earned at least 11 credits from the following:
    - CSC233 - Programming in Python (3)
    - EES210 - Hydrology (3)
    - EES303 - Introduction to Water Science (3)
    - EES306 - Landscapes of the National Parks (3)
    - EES310 - Rocks and Mineral Resources (3)
    - EES314 - Sediments and Soils (4)
    - EES350 - Field Techniques in Geosciences (3)
    - EES390 - Geoarchaeology (3)
    - EES424 - Conservation and Environmental Geosciences (3)
    - EES488 - Cooperative Education/Internship (1 - 3)
    - EES489 - Cooperative Education/Internship (1 - 3)
    - EES507 - Land Use Planning (3)
    - EES522 - Advanced Cartography (3)
    - EES562 - Hydrogeology (3)
    - EES578 - Terrestrial Ecosystem Modeling (3)
    - EES579 - Remote Sensing of Vegetation (3)
    - EES591 - Special Problems (1)
    - EES592 - Special Problems (2)
    - EES593 - Special Problems (3)
  - Collateral Requirements:
  - Complete 1 of the following
    - Completed at least courses from MAT 150 - 599
    - Completed at least 1 courses from STA 135 - 599
  - Completed at least 1 of the following:
    - CSC101 - Introduction to Problem Solving Using Computers (3)
    - CSC199 - Introduction to Information Technology (3)

Grand Total Credits: **61**

Minimum Credential Hours

120

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

Q. Zhang

Earth and Environmental Sciences/Geology Track (BS: Bachelor of Science)

Program Name

Earth and Environmental Sciences/Geology Track

Degree

BS: Bachelor of Science

CIP Code

400601

Program Level

Undergraduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Graduation Requirements

Several required courses may also be used to meet University Studies requirements. Students are encouraged to work with their academic advisors to identify which University Studies courses to complete in order to help reduce the total number of credits required.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ARC150 - Introduction to Archaeology (3)
    - ARC320 - Human Ecology (3)
    - CHE105 - Introductory Chemistry (4)
    - EES100T - Transitions (1)
    - EES101 - The Earth and the Environment (4)
    - EES102 - Earth Through Time (4)
    - EES110 - World Geography (3)
    - EES202 - Introduction to Geographic Information Science (4)
    - EES210 - Hydrology (3)
    - EES301 - Understanding Scientific Communication (3)
    - EES310 - Rocks and Mineral Resources (3)
    - EES312 - Introduction to Remote Sensing (4)
    - EES314 - Sediments and Soils (4)
    - EES336 - Principles of Geomorphology (4)
    - EES562 - Hydrogeology (3)
  - Required Limited Electives:
  - Earned at least 8 credits from the following:
    - ARC300 - Archaeological Method and Theory (3)
    - ARC302 - Archaeological Field Work I (1 - 6)
    - ARC304 - Archaeological Laboratory Methods (1)
    - ARC390 - Geoarchaeology (3)
    - BIO101 - Biological Concepts (4)
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - CMA280 - Plane Surveying (3)
    - EES200 - Introduction to Oceanography (3)
    - EES303 - Introduction to Water Science (3)
    - EES305 - Introduction to Cartography (3)
    - EES306 - Landscapes of the National Parks (3)
    - EES330 - Economic Geography (3)
    - EES339 - Field Geology (3)

        - EES350 - Field Techniques in Geosciences (3)
        - EES388 - International Experience in the Geosciences (3)
        - EES424 - Conservation and Environmental Geosciences (3)
        - EES433 - Structural Geology (3)
        - EES489 - Cooperative Education/Internship (1 - 3)
        - EES507 - Land Use Planning (3)
        - EES512 - Remote Sensing (4)
        - EES521 - Geographic Information Systems (4)
        - EES522 - Advanced Cartography (3)
        - EES533 - Paleoecology (3)
        - EES534 - Invertebrate Paleontology (4)
        - EES536 - Soils and Geomorphology (3)
        - EES542 - Watershed Ecology (3)
        - EES578 - Terrestrial Ecosystem Modeling (3)
        - EES579 - Remote Sensing of Vegetation (3)
        - EES591 - Special Problems (1)
        - EES592 - Special Problems (2)
        - EES593 - Special Problems (3)
        - PHY130 - General Physics I (3)
        - PHY131 - General Physics I Laboratory (1)
    - Collateral Requirements:
    - Complete 1 of the following
        - Completed at least 1 courses from MAT 150 - 599
        - Completed at least 1 courses from STA 135 - 599
    - Completed at least 1 of the following:
        - CSC101 - Introduction to Problem Solving Using Computers (3)
        - CSC199 - Introduction to Information Technology (3)

Grand Total Credits: **61**

Minimum Credential Hours

120

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

Q. Zhang

Earth Science (Minor)

Program Name

Earth Science

Degree

Minor

Program Level

Undergraduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - EES101 - The Earth and the Environment (4)
    - EES102 - Earth Through Time (4)
    - EES125 - Weather and Climate (4)
  - Completed at least 1 of the following:
    - EES339 - Field Geology (3)
    - EES350 - Field Techniques in Geosciences (3)
  - Earned at least 6 credits from the following:
    - AST115 - Introductory Astronomy (3)
    - AST116 - Introductory Astronomy Laboratory (1)
    - EES202 - Introduction to Geographic Information Science (4)
    - EES210 - Hydrology (3)
    - EES303 - Introduction to Water Science (3)
    - EES310 - Rocks and Mineral Resources (3)
    - EES312 - Introduction to Remote Sensing (4)
    - EES336 - Principles of Geomorphology (4)
    - EES591 - Special Problems (1)
    - EES592 - Special Problems (2)
    - EES593 - Special Problems (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

Dept Chair

Electromechanical Engineering Technology (BSE: Bachelor of Science in Engineering)

Program Name

Electromechanical Engineering Technology

Degree

BSE: Bachelor of Science in Engineering

CIP Code

150403

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Graduation Requirements

A minimum grade of *C* is required in all EMT and ENT prefix courses.

Specifically Required University Studies

- Complete all of the following
  - Completed at least 1 of the following:
    - ECO230 - Macroeconomics (3)
    - ECO231 - Microeconomics (3)
  - Completed the following:
    - MAT130 - Technical Math I (5)
    - MAT230 - Technical Math II (5)
    - PHY130 - General Physics I (3)
    - PHY131 - General Physics I Laboratory (1)
    - PHY132 - General Physics II (3)
    - PHY133 - General Physics II Laboratory (1)
    - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **25**

Program Requirements

- Complete all of the following
  - Completed the following:
    - EMT101 - Engineering Technology Applications (3)
    - EMT110 - Electrical Systems I (4)
    - EMT201 - Mechanical Devices (3)
    - EMT210 - Electrical Systems II (4)
    - EMT261 - Introduction to Fluid Power Systems (3)
    - EMT262 - Introduction to Fluid Power Systems Laboratory (1)
    - EMT305 - Electric Machinery and Controls (4)
    - EMT310 - Programmable Logic Controllers (4)
    - EMT312 - Industrial Instrumentation (4)
    - EMT320 - Mechatronics (3)
    - EMT351 - Power Distribution (3)
    - EMT365 - Dynamics for Technology (3)
    - EMT455 - Industrial Networking Systems (4)
    - EMT461 - Robotics and Motion Controls (4)
    - ENT265 - Statics and Strengths of Materials (4)
    - ENT393 - Engineering Economy (3)
    - ENT419 - Senior Project I (3)
  - Support Courses:
  - Completed the following:
    - EGD102 - CAD Applications (3)
    - ENT100T - Transitions (1)
    - IOE350 - Technology Management (3)
    - IOE399 - Professional Development Seminar I (1)
    - IOE488 - Cooperative Education/Internship (1 - 3)
  - Technical Electives:
  - Completed at least 9 credits from the following types of courses: Technical Electives

Grand Total Credits: **75 - 77**

Minimum Credential Hours

120

Program Contact Information

Institute of Engineering 763A Collins Center (270) 809-3392

Default Advisor

J. Hildebrant

Emergency Management (CERT: Certificate)

Program Name

Emergency Management

Degree

CERT: Certificate

CIP Code

450702

Program Level

Undergraduate

Department

Occupational Safety and Health: Undergraduate

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Certificate

Description

The undergraduate certificate in Emergency Management is designed to complement the undergraduate degree in Occupational Safety and Health. The certificate program's objectives are to provide students with an enhanced knowledge base in the area of emergency management, gain an understanding of regulations and guidelines, and to acquaint students with current trends and best practices in emergency management.

Requirements for Admission
Students enrolled in an undergraduate degree program at Murray State University may be enrolled in the certificate program upon permission of the program coordinator. Post-baccalaureate degree students are also eligible for this program upon permission of the program coordinator.

Graduation Requirements

A minimum grade of *C* must be achieved in all Occupational Safety and Health courses in the Emergency Management certificate for successful completion of the certificate program.

Program Requirements

- Complete all of the following
  - Completed the following:
    - OSH101 - Emergency Medical Training (6)
    - OSH310 - Fire and Emergency Preparedness Preplanning (3)
    - OSH311 - Hazardous Materials and Emergency Planning (3)
    - OSH412 - Emergency Management (3)
  - Completed at least 1 of the following:
    - CRJ355 - Security in Business and Industry (3)
    - CRJ425 - Terrorism (3)

Grand Total Credits: **18**

Minimum Credential Hours

12

Program Contact Information

Department of Occupational Safety and Health 157 Collins Center (270) 809-2488

Default Advisor

Dept Chair

Engineering Graphics and Design (BS: Bachelor of Science)

Program Name

Engineering Graphics and Design

Degree

BS: Bachelor of Science

CIP Code

151302

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Description

A baccalaureate degree in engineering graphics and design provides students with the fundamentals of design principles, computer-aided design, and commercial/industrial design standards. Graduates will be prepared to work with engineers and architects in designing, constructing and manufacturing in modern industrial and architectural corporations.

This broad-based program emphasizes computer-aided design, and design graphics including mechanical engineering drawings, renderings, technical animations and 3D parametric design. Applied engineering and engineering design/CAD are typical job descriptors for engineering graphics and design graduates. Graduates typically find jobs in manufacturing companies, engineering consulting firms, and architectural firms utilizing cutting edge computer graphic design capabilities and applied engineering concepts in the design of modern processes, components and structures.

Specifically Required University Studies

- Completed the following:
    - CHE105 - Introductory Chemistry (4)
    - CSC199 - Introduction to Information Technology (3)
    - ECO231 - Microeconomics (3)
    - MAT230 - Technical Math II (5)
    - PHY130 - General Physics I (3)
    - PHY131 - General Physics I Laboratory (1)
    - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **23**

Program Requirements

- Complete all of the following
  - Completed the following:
    - EGD100T - Transitions (1)
    - EGD101 - Introduction to Design and Graphic Communications (4)
    - EGD104 - Computer Aided Design (4)
    - EGD130 - Manufacturing Processes and Materials (3)
    - EGD204 - Parametric Modeling and Rendering (4)
    - EGD302 - Applied Engineering Drawing (4)
    - EGD303 - Advanced Parametric Modeling (4)
    - EGD306 - Engineering Graphics (4)
    - EGD330 - Machine Tool Processes (4)
    - EGD333 - ANSI Fundamentals for Mechanical Product Design (4)
    - EGD403 - Product and Tooling Design (4)
    - EGD404 - Computer-Aided Engineering Design Graphics (4)
    - EGD498 - Senior Design (4)
    - ENG324 - Technical Writing (3)
    - ENT265 - Statics and Strengths of Materials (4)
    - IOE350 - Technology Management (3)
    - IOE399 - Professional Development Seminar I (1)
    - IOE488 - Cooperative Education/Internship (1 - 3)
    - IOE587 - Quality Control (3)
    - MAT130 - Technical Math I (5)
  - Completed at least 10 credits from the following types of courses: Technical Electives

Grand Total Credits: **78 - 80**

Minimum Credential Hours

120

Program Contact Information

Institute of Engineering 763A Collins Center (270) 809-3392

Default Advisor

R. Ottway

Engineering Management (MS: Master of Science)

Program Name

Engineering Management

Degree

MS: Master of Science

CIP Code

150000

Program Level

Graduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Graduate Program Type

Graduate Degree

Description

The Engineering Management program is designed for individuals who are seeking positions of increased leadership and responsibility in business, industry, and government. Emphasis is placed on involvement with real situations and problems. The student, in consultation with an advisor, will develop an interdisciplinary plan of study to increase skills in a specific technical area and to strengthen abilities to communicate effectively in the management of technical functions.

Requirements for Admission

Applicants must meet the Murray State University requirements (see *Graduate Admissions*). Additional requirements for unconditional and conditional admission are as follows. The Graduate Record Examination (GRE) is not required for admission to this program.

Unconditional

Admission to the Master of Science degree in Engineering Management is open to persons holding a baccalaureate or higher degree from a regionally accredited college in engineering, engineering technology, science, or related fields. Persons holding degrees in other fields may also apply if the nature of the professional employment has provided significant technology-related experience. Courses included in the program of study may require prerequisite course work.

Unconditional admission requires a 3.0 grade point average (GPA based on an A equals 4.0).

Conditional

The GPA of 3.0 for unconditional admission may be lowered if an applicant has substantial industrial experience. In such a case, applicants will be required to submit a statement about industrial experience.

Language Proficiency

Applicants whose native tongue is not English or who did not graduate from an English speaking college or university must demonstrate language proficiency. Applicants must adhere to the university’s guidelines for language proficiency. The TOEFL score must be a 71 or higher with no section below 16. For the IELTS, 6.0 of higher with no section below 5.0. Language proficiency scores below these will not be admitted to the Engineering Management program.

Program Requirements

- Complete all of the following
  - Completed the following:
    - IOE682 - Production Systems and Computer Integrated Manufacturing (4)
    - IOE684 - Engineering Economic Analysis (3)
    - IOE687 - Quality Control (3)
    - IOE690 - Industrial Environmental Management (3)
    - IOE691 - Industrial Operations (3)
    - IOE692 - Plant Layout and Material Handling (3)
    - IOE695 - Industrial Supervision (3)
  - Electives:
  - Earned at least 9 credits from the following:
    - IOE601 - Manufacturing Processes (3)
    - IOE610 - Operations Research (3)
    - IOE644 - Graduate Cooperative Education (3)
    - IOE681 - Sustainable Energy (3)
    - IOE696 - Teamwork and the Management of Technology (3)
    - HDL660 - Developing Human Potential Seminar (3)
    - HDL670 - Multicultural and Diversity Issues in Leadership (3)
    - HDL675 - Assessment of Human Potential (3)
    - HDL682 - Leading Organizations: Processes of Critical Thinking & Problem Solving (3)
    - HDL692 - Individual, Group and Team Dynamics (3)

Grand Total Credits: **31**

Minimum Credential Hours

30

Program Contact Information

Institute of Engineering 763A Collins Center (270) 809-3392

Default Advisor

M. Kemp

Engineering Physics (BSE: Bachelor of Science in Engineering)

Program Name

Engineering Physics

Degree

BSE: Bachelor of Science in Engineering

CIP Code

141201

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Accreditations

Engineering Accreditation Commission/ABET

Description

This degree program has been approved by the Kentucky Education Professional Standards Board as a track for secondary education certification in physics. Students seeking certification via this track must complete the Engineering Physics curriculum and the courses required for secondary certification. For current information, students should consult an advisor in the Department of Adolescent, Career and Special Education and with Teacher Education Services.

Graduation Requirements

MAT 309 and 338 are considered program corequisites and may be shared with a minor or second major.

Track Options

As outlined in the requirements, each student must complete 24 hours of technical electives. A minimum of 18 technical elective credit hours must be obtained from EGR courses. Completion of a track is encouraged but not required. Fifteen credit hours must be exclusive to each track for multi-track students. Technical Electives must come from the courses listed in the elective tracks or EGR/PHY courses, 300-level and above, or as approved by the department chair. A maximum of six technical elective credit hours may come from combinations of EGR/PHY 488, 489, 520, and EGR 388.

Track Options include the following:

Advanced Physics Track
EGR 330: Dynamics
EGR 460: Electricity and Magnetism I
Select nine hours of 300-level and above PHY courses beyond the core course requirements.
Completion of at least 24 hours is required in this track (18 hours must be EGR prefix courses). Remaining Technical Elective hours must be advisor-approved.

Aerospace Engineering Track
EGR 320: Fundamentals of Flight
EGR 330: Dynamics
EGR 359: Mechanics of Materials
EGR 420: Aerodynamics
or
EGR 422: Propulsion
and one of the following:
EGR 440: Thermal and Fluid Systems Laboratory
PHY 316: Introductory Astrophysics and Space Physics
or
any mechanical engineering track course
Completion of at least 24 hours is required in this track (18 hours must be EGR prefix courses). Remaining Technical Elective hours must be advisor-approved.

Electrical Engineering Track
EGR 460: Electricity and Magnetism I
And select four of the following courses:
EGR 360: Electric Machines
EGR 365: Linear Circuits II
EGR 366: Analog Electronics I
EGR 376: Computational Analysis in Engineering
EGR 378: Logic Design I
EGR 425: Bio-inspired Intelligent Systems

EGR 433: Control Systems
EGR 461: Electricity and Magnetism II
EGR 463: Power Systems
EGR 466: Power Electronics
EGR 468: Digital Signal Processing
Completion of at least 24 hours is required in this track (18 hours must be EGR prefix courses). Remaining Technical Elective hours must be advisor-approved.

Mechanical Engineering Track
EGR 330: Dynamics
EGR 344: Fluid Mechanics
EGR 359: Mechanics of Materials
Select two of the following courses:
EGR 342: Thermodynamics II
EGR 346: Heat Transfer
EGR 392: Nondestructive Testing
EGR 430: Mechanical Vibrations
EGR 433: Control Systems
EGR 450: Mechanics and Materials Laboratory
EGR 459: Mechanical Design
EGR 475: Solid-State Physics and Engineering
EGD 102: CAD Applications
Any aerospace engineering track course
Completion of at least 24 hours is required in this track (18 hours must be EGR prefix courses). Remaining Technical Elective hours must be advisor-approved.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - CHE201 - General College Chemistry (5)
    - MAT250 - Calculus and Analytic Geometry I (5)
    - MAT308 - Calculus and Analytic Geometry II (5)
    - PHY235 - Mechanics, Heat and Wave Motion (4)
    - PHY236 - Mechanics, Heat and Wave Motion Laboratory (1)
  - Completed at least 1 of the following:
    - ECO230 - Macroeconomics (3)
    - ECO231 - Microeconomics (3)
    - HON232 - Honors Seminar in Economics (3)

Grand Total Credits: **23**

Program Requirements

- Complete all of the following
  - Core Courses:
  - Completed the following:
    - EGR100T - Transitions (1)
    - EGR101 - Introduction to Engineering (3)
    - EGR140 - Introduction to Computing Applications in Science and Engineering (3)
    - EGR240 - Thermodynamics I (3)
    - EGR259 - Statics (3)
    - EGR264 - Linear Circuits I (3)
    - EGR265 - Linear Circuits I Laboratory (1)
    - EGR363 - Signal and Systems (3)
    - EGR375 - Material Science (3)
    - EGR390 - Engineering Measurements (3)
    - EGR498 - Senior Engineering Design I (3)
    - EGR499 - Senior Engineering Design II (3)
    - MAT309 - Calculus and Analytic Geometry III (4)
    - MAT338 - Ordinary Differential Equations (3)
    - PHY255 - Electricity, Magnetism and Light (4)
    - PHY256 - Electricity, Magnetism and Light Laboratory (1)
    - PHY370 - Introduction to Modern Physics (3)
    - PHY470 - Optics (3)
  - Technical Electives:
  - Completed at least 24 credits from the following types of courses:
    See information regarding Technical Electives and Track completion in the Graduation Requirements section of this program.
  - Mathematics Depth Elective:
  - Completed at least 1 of the following:
    - MAT335 - Matrix Theory and Linear Algebra (3)
    - MAT440 - Mathematics Transforms with Applications (3)
    - MAT442 - Introduction to Numerical Analysis (3)
    - MAT460 - Principles of Biomathematics (3)
    - MAT508 - Introduction to Combinatorics (3)
    - MAT512 - Partial Differential Equations (3)
    - MAT513 - Modern Algebra I (3)
    - MAT522 - Vector Calculus (3)
    - MAT523 - Introduction Complex Variables (3)
    - MAT524 - Boundary Value Problems (3)
    - MAT525 - Advanced Calculus I (3)
    - MAT535 - Linear Algebra (3)
    - MAT538 - Ordinary Differential Equations II (3)
    - MAT542 - Numerical Analysis (3)
    - MAT545 - Boolean Algebra with Applications to Digital Computer Design (3)
    - MAT570 - Linear Programming (3)
    - STA450 - Introduction to Engineering Statistics (3)
    - STA540 - Mathematical Statistics I (4)
    - STA541 - Mathematical Statistics II (3)
    - STA554 - Statistical Methods (3)

Grand Total Credits: **77 - 78**

Minimum Credential Hours

120

Program Contact Information

Institute of Engineering 763A Collins Center (270) 809-3392

Default Advisor

J. Rogers

Engineering Science (Minor)

Program Name

Engineering Science

Degree

Minor

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - EGR240 - Thermodynamics I (3)
    - EGR259 - Statics (3)
    - EGR264 - Linear Circuits I (3)
    - EGR330 - Dynamics (3)
  - Completed at least 9 credits from the following types of courses:
    Engineering-related courses approved by an advisor in the Institute of Engineering.

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Institute of Engineering 263A Collins Center (270) 809-3392

Default Advisor

Dept Chair

Environmental Geology (Minor)

Program Name

Environmental Geology

Degree

Minor

Program Level

Undergraduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - EES101 - The Earth and the Environment (4)
    - EES102 - Earth Through Time (4)
    - EES202 - Introduction to Geographic Information Science (4)
  - Completed at least 9 credits from the following types of courses:
    Additional geology courses chosen with the advice and consent of the chair of the Department of Earth and Environmental Sciences

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

Dept Chair

Environmental Technology (Minor)

Program Name

Environmental Technology

Degree

Minor

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Prerequisite courses are not applicable to this minor.

Program Requirements

- Completed the following:
  - CMA284 - Sustainable Design and Construction (3)
  - CMA330 - Water Quality Technology I (3)
  - CMA331 - Water Quality Technology II (3)
  - CMA342 - Air Quality Technology (3)
  - CMA353 - Solid and Hazardous Waste Management (3)
  - CMA555 - Environmental Regulatory Affairs (3)
  - ENT286 - Introduction to Environmental Engineering Technology (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Institute of Engineering 763A Collins Center (270) 809-3392

Default Advisor

Dept Chair

Geographic Information Science (CERT: Certificate)

Program Name

Geographic Information Science

Degree

CERT: Certificate

CIP Code

450702

Program Level

Undergraduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Certificate

Description

The certificate in Geographic Information Science is designed to provide students fundamental knowledge of geographic information science necessary for today's diverse array of fields and disciplines. The certification program will provide students with experience in data collection, data management methods and techniques, data visualization, data analysis and interpretation, and the principles and techniques of remote sensing. Students will gain experience using industry-standard hardware and software to develop a variety of projects and GIScience applications.

Graduation Requirements

A minimum grade of *C* is required for all courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - EES202 - Introduction to Geographic Information Science (4)
    - EES512 - Remote Sensing (4)
    - EES521 - Geographic Information Systems (4)
  - Completed at least 1 of the following:
    - AGR471 - Applications in Precision Agriculture (3)
    - BIO240 - Biological Applications of GIS (4)
    - CIS307 - Decision Support Technologies (3)
    - CIS317 - Principles of Information Systems Analysis and Design (3)
    - CSC145 - Introduction to Programming (3)
    - CSC232 - Introduction to Programming in C# (3)
    - CSC233 - Programming in Python (3)
    - CSC310 - Database Administration (3)
    - CSC345 - Data Structures (3)
    - EES305 - Introduction to Cartography (3)
    - EES507 - Land Use Planning (3)
    - EES522 - Advanced Cartography (3)
    - EES570 - Computer Applications in Geosciences (3)
    - MKT585 - Location Analytics Marketing (3)

Grand Total Credits: **15 - 16**

Minimum Credential Hours

12

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

Q. Zhang

Geographic Information Science (Minor)

Program Name

Geographic Information Science

Degree

Minor

Program Level

Undergraduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - EES110 - World Geography (3)
    - EES125 - Weather and Climate (4)
    - EES202 - Introduction to Geographic Information Science (4)
    - EES305 - Introduction to Cartography (3)
  - Earned at least 7 credits from the following:
    - EES312 - Introduction to Remote Sensing (4)
    - EES350 - Field Techniques in Geosciences (3)
    - EES507 - Land Use Planning (3)
    - EES512 - Remote Sensing (4)
    - EES521 - Geographic Information Systems (4)
    - EES522 - Advanced Cartography (3)
    - EES591 - Special Problems (1)
    - EES592 - Special Problems (2)
    - EES593 - Special Problems (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

Dept Chair

Geospatial Data Science (CERT: Certificate)

Program Name

Geospatial Data Science

Degree

CERT: Certificate

CIP Code

450702

Program Level

Graduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Graduate Program Type

Graduate Certificate

Description

The Certificate in Geospatial Data Science (cGDS) program is designed to complement interdisciplinary graduate and professional degree programs in data science and to provide a specialized set of courses emphasizing geospatial science and technology for students to gain professional skills and/or knowledge. The certification program will support professionals working in geospatial field and will provide experience using industry and federal data standards and methodologies for data acquisition/input, manipulation, analysis, modeling and output. It will also add value to traditional computer science and geography discipline areas, such as big data analytics, remote sensing, geographic information systems (GIS) and science, and CyberGIS.

Requirements for Admission
Students who hold an undergraduate or a graduate degree, or are currently enrolled in a graduate or professional degree program may apply for the Certificate in Geospatial Data Science program. Applicants must comply with the Murray State University requirements (see *Graduate Admissions*).

Unconditional Admission
To qualify for unconditional admission, an applicant must have an overall grade point average of 3.0 (on a 4.0 scale).

Conditional Admission
Students admitted conditionally are admitted to full standing after completing (1) any remedial courses required by the Program Coordinator and (2) one semester of graduate work with an overall grade point average of 3.0 or above.

Graduation Requirements

A minimum grade of *C* must be achieved in all courses for successful completion of the certificate program. Students may transfer up to six credit hours of equivalent graduate courses into the program.

Program Requirements

- Complete all of the following
  - Completed the following:
    - EES612 - Remote Sensing (4)
    - EES621 - Geographic Information Systems (4)
    - EES693 - Special Problems (3)
  - Earned at least 3 credits from the following:
    - BUS684 - Seminar in Geospatial Tools in Business (3)
    - CIS607 - A Manager's Guide to Database (3)
    - CIS609 - Data Management (3)
    - CIS643 - Advanced Business Analytics (3)
    - CIS695 - Comprehensive Project In Computer Information Systems (1 - 3)
    - CYS615 - Information System Security (3)
    - EES640 - Advanced Remote Sensing (3)
    - EES660 - Spatial Analysis Techniques (3)
    - EES678 - Terrestrial Ecosystem Modeling (3)
    - EES679 - Remote Sensing of Vegetation (3)
    - EES680 - Advanced Geographic Information Systems (3)
    - EES691 - Special Problems (1)
    - EES692 - Special Problems (2)
    - EES696 - Understanding Scientific Communication (2)
    - MKT685 - Seminar in Marketing Location Analytics (3)

Grand Total Credits: **14**

Minimum Credential Hours

12

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

H. Cetin

Globalization and Development (Minor)

Program Name

Globalization and Development

Degree

Minor

Program Level

Undergraduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ANT140 - Exploring World Cultures (3)
    - ANT390 - Anthropology of Development (3)
    - EES110 - World Geography (3)
    - EES330 - Economic Geography (3)
  - Completed at least 1 of the following:
    - ANT320 - Human Ecology (3)
    - ARC302 - Archaeological Field Work I (1 - 6)
    - ARC320 - Human Ecology (3)
    - ARC345 - Archaeology of Ancient Mexico, Central America, and the Caribbean (3)
    - ARC360 - Historical Archaeology (3)
    - ARC389 - Archaeology and Political Ecology of Empires (3)
  - Completed at least 1 of the following:
    - EES125 - Weather and Climate (4)
    - EES202 - Introduction to Geographic Information Science (4)
    - EES388 - International Experience in the Geosciences (3)
    - EES424 - Conservation and Environmental Geosciences (3)
    - EES507 - Land Use Planning (3)
  - Completed at least 1 of the following:
    - ECO310 - Issues in the Global Economy (3)
    - HIS120 - Exploring the World’s Great Cities: Heritage and Modern Life (3)
    - NLS104 - Rural Tourism (3)
    - POL250 - Introduction International Relations (3)
    - SOC465 - Globalization (3)
    - SPA325 - Spanish-American Culture (3)

Grand Total Credits: **19 - 25**

Minimum Credential Hours

21

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

Dept Chair

Industrial and Engineering Technology (Minor)

Program Name

Industrial and Engineering Technology

Degree

Minor

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Completed at least 21 credits from the following types of courses:
  Credits approved by an advisor

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Institute of Engineering 763A Collins Center (270) 809-3392

Default Advisor

Dept Chair

Industrial Technology (AS: Associate of Science)

Program Name

Industrial Technology

Degree

AS: Associate of Science

CIP Code

150612

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Major

Specifically Required University Studies

- Completed the following:
  - ECO231 - Microeconomics (3)
  - MAT130 - Technical Math I (5)
  - PHY130 - General Physics I (3)
  - PHY131 - General Physics I Laboratory (1)

Grand Total Credits: **12**

Program Requirements

- Complete all of the following
  - Completed the following:
    - EGD100T - Transitions (1)
    - EGD101 - Introduction to Design and Graphic Communications (4)
    - EGD104 - Computer Aided Design (4)
    - EGD130 - Manufacturing Processes and Materials (3)
    - EGD204 - Parametric Modeling and Rendering (4)
    - EGD330 - Machine Tool Processes (4)
    - EMT261 - Introduction to Fluid Power Systems (3)
    - EMT262 - Introduction to Fluid Power Systems Laboratory (1)
    - IOE399 - Professional Development Seminar I (1)
    - EMT110 - Electrical Systems I (4)
  - Technical Electives:
  - Completed at least 14 credits from the following types of courses: Technical Electives

Grand Total Credits: **43**

Minimum Credential Hours

60

Program Contact Information

Institute of Engineering 763A Collins Center (270) 809-3392

Default Advisor

D. Claiborne

Manufacturing Engineering Technology (BS: Bachelor of Science)

Program Name

Manufacturing Engineering Technology

Degree

BS: Bachelor of Science

CIP Code

150613

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - CSC199 - Introduction to Information Technology (3)
    - MAT140 - College Algebra (4)
    - MAT145 - Trigonometry (3)
    - STA135 - Introduction to Probability and Statistics (4)
  - Completed at least 1 of the following:
    - ECO230 - Macroeconomics (3)
    - ECO231 - Microeconomics (3)
  - Complete 1 of the following
    - Completed the following:
      - PHY125 - Brief Introductory Physics (4)
      - PHY126 - Brief Introductory Physics Laboratory (1)
    - Completed the following:
      - PHY130 - General Physics I (3)
      - PHY131 - General Physics I Laboratory (1)

Grand Total Credits: **21 - 22**

Program Requirements

- Complete all of the following
  - Completed the following:
    - EGD102 - CAD Applications (3)
    - EGD130 - Manufacturing Processes and Materials (3)
    - EGD204 - Parametric Modeling and Rendering (4)
    - EGD322 - Plastics Manufacturing (3)
    - EGD330 - Machine Tool Processes (4)
    - EMT110 - Electrical Systems I (4)
    - EMT261 - Introduction to Fluid Power Systems (3)
    - EMT262 - Introduction to Fluid Power Systems Laboratory (1)
    - EMT305 - Electric Machinery and Controls (4)
    - EMT310 - Programmable Logic Controllers (4)
    - EMT351 - Power Distribution (3)
    - ENT100T - Transitions (1)
    - ENT393 - Engineering Economy (3)
    - IOE350 - Technology Management (3)
    - IOE399 - Professional Development Seminar I (1)
    - IOE488 - Cooperative Education/Internship (1 - 3)
    - MET310 - Manufacturing Analysis (3)
    - MET320 - Manufacturing Control Systems (4)
    - MET400 - Lean Manufacturing Systems (3)
    - MET410 - Sustainability Management (3)
    - MET440 - Quality Management Systems (3)
    - MET450 - Systems Project Management (3)
  - Technical Electives:
  - Completed at least 16 credits from the following types of courses: Technical Electives

Grand Total Credits: **80 - 82**

Minimum Credential Hours

120

Program Contact Information

Institute of Engineering 263A Collins Center (270) 809-3392

Default Advisor

J. Hildebrant

Mathematical Biology (Minor)

Program Name

Mathematical Biology

Degree

Minor

Program Level

Undergraduate

Department

Mathematics and Statistics

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Students completing this minor who are not in a mathematics area/major must complete additional elective options from the courses provided to reach 21 hours.

Program Requirements

- Complete all of the following
  - Completed at least 1 of the following:
    - STA135 - Introduction to Probability and Statistics (4)
    - STA265 - Methods of Statistics and Data Science (3)
    - STA540 - Mathematical Statistics I (4)
  - Completed at least 1 of the following:
    - MAT250 - Calculus and Analytic Geometry I (5)
    - MAT308 - Calculus and Analytic Geometry II (5)
    - MAT338 - Ordinary Differential Equations (3)
  - Completed the following:
    - MAT460 - Principles of Biomathematics (3)
    - MAT461 - Biomathematics in the Biomedical Sciences (3)
  - Earned at least 6 credits from the following:
    - BIO115 - The Cellular Basis of Life (3)
    - BIO216 - Biological Inquiry and Analysis (4)
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO222 - Botany: Plant Form and Function (4)
    - BIO300 - Introductory Microbiology (4)
    - BIO305 - Introduction to Evolutionary Principles (3)
    - BIO330 - Principles of Ecology (4)
    - BIO333 - Genetics (4)
    - BIO532 - Quantitative Ecology (4)
    - BIO557 - Systematics and Bioinformatics (4)

Grand Total Credits: **18 - 21**

Minimum Credential Hours

21

Program Contact Information

Department of Mathematics and Statistics 6C9 Faculty Hall (270) 809-2311

Default Advisor

Dept Chair

Mathematics (Minor)

Program Name

Mathematics

Degree

Minor

Program Level

Undergraduate

Department

Mathematics and Statistics

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - MAT250 - Calculus and Analytic Geometry I (5)
    - MAT308 - Calculus and Analytic Geometry II (5)
    - MAT309 - Calculus and Analytic Geometry III (4)
  - Completed at least 9 credits from the following types of courses:
    Mathematics courses numbered above 309 (except for MAT 330, 399, or STA 554). Departmental approval is required.

Grand Total Credits: **23**

Minimum Credential Hours

21

Program Contact Information

Department of Mathematics and Statistics 6C9 Faculty Hall (270) 809-2311

Default Advisor

Dept Chair

Mathematics (MA: Master of Arts)

Program Name

Mathematics

Degree

MA: Master of Arts

CIP Code

270101

Program Level

Graduate

Department

Mathematics and Statistics

College

Jesse D. Jones College of Science, Engineering and Technology

Graduate Program Type

Graduate Degree

Description

The Master of Science and Master of Arts degrees are designed to provide students with the opportunity to study graduate level mathematics so that they may (1) obtain preferred employment in mathematics with government or industry, (2) teach at the junior college level or be better prepared to teach at the secondary school level, or (3) continue working toward a doctor of philosophy degree.

The Master of Arts program is a broadly based program which includes a study of algebra, analysis, topology, and the foundations of mathematics. The Master of Science program consists of a core of applied mathematics together with a core (at most nine hours) in an allied field such as business, computer science, or physics. The program is flexible and is particularly suited to meet the needs of students preparing for careers in business, industry, or government.

The department also offers the Master of Arts in Teaching degree in mathematics. This program is designed for certified teachers who wish to strengthen their discipline-based background and keep up with current information in educational theory, curriculum, and research.

All graduate programs in mathematics are planned in close consultation with the department graduate committee and are subject to its approval.

Requirements for Admission

Applicants must meet the Murray State University requirements (see *Graduate Admissions*). Additional requirements for unconditional and conditional admission to M.S. or M.A. programs are as follows:

Unconditional

• Bachelor's degree from a regionally accredited college with a major (or equivalent) in mathematics or a related field;
• Overall GPA of 3.0 or above;
• Minimal GPA of 3.0 in all mathematics courses beginning with the first calculus course;
• Minimal GPA of 3.0 in all major courses; and
• If the major is in a related field (not mathematics), the student must have credit for three calculus courses (including a multivariable calculus course), a proof-based course, a matrix/linear algebra course, and a differential equations course.

Conditional

Recommendation of the department graduate committee or
• A bachelor's degree from a regionally accredited college with a major in a related field and at least a 3.0 GPA in their major courses;
• Credit for three calculus courses (including a multivariable calculus course), a proof-based course, and a matrix/linear algebra course with a 3.0 GPA in all mathematics courses beginning with the last elementary calculus course;
• GPA of 3.0 or above in all mathematics courses beginning with the last elementary calculus course; and
• Two letters of recommendation from college teachers addressing the candidate's ability to do mathematics graduate work.

Graduation Requirements

All coursework must be approved by the department graduate committee. The student must complete two, two-course sequences. If the student has not completed two semesters of advanced calculus then one of the sequences must be MAT 625-626. At most, one of these sequences may be a completion of a sequence that was started as an undergraduate.

Other Degree Requirements (Thesis Track)

Oral defense and examination of thesis

Other Degree Requirements (Non-Thesis Track)

Program of study must include MAT 614 or 721 and MAT 616 or 716

Comprehensive examinations over coursework

Program Requirements

- Complete 1 of the following
  - Complete all of the following
    - Thesis Requirements:
    - Completed the following:
      - MAT725 - Integration Theory (3)
    - Earned at least 21 credits from MAT or STA 600 - 799
    - Earned at least 6 credits from the following:
      - MAT798 - Research and Thesis (3)
      - MAT799 - Research and Thesis (3)
  - Complete all of the following
    - Non-Thesis Track:
    - Completed the following:
      - MAT725 - Integration Theory (3)
    - Earned at least 6 credits from the following:
      - MAT716 - Selected Topics in Topology (3)
      - MAT721 - Algebra (3)
      - MAT722 - Selected Topics in Algebra (3)
      - MAT723 - Selected Topics in Complex Analysis (3)
      - MAT726 - Real Function Theory I (3)
    - Earned at least 21 credits from MAT or STA 600 - 799

Grand Total Credits: **30**

Minimum Credential Hours

30

Program Contact Information

Department of Mathematics and Statistics 6C9 Faculty Hall (270) 809-2311

Default Advisor

T. Schroeder

Mathematics (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Mathematics

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

270101

Program Level

Undergraduate

Department

Mathematics and Statistics

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Major

Program Requirements

- Complete all of the following
  - Completed the following:
    - MAT100T - Transitions (1)
    - MAT250 - Calculus and Analytic Geometry I (5)
    - MAT308 - Calculus and Analytic Geometry II (5)
    - MAT309 - Calculus and Analytic Geometry III (4)
    - MAT312 - Mathematical Reasoning (3)
    - MAT335 - Matrix Theory and Linear Algebra (3)
    - STA540 - Mathematical Statistics I (4)
  - Required Limited Electives:
  - Complete all of the following
    - Completed the following:
      - MAT338 - Ordinary Differential Equations (3)
    - Completed at least 1 of the following:
      - MAT513 - Modern Algebra I (3)
      - MAT516 - Introduction to Topology (3)
      - MAT525 - Advanced Calculus I (3)
    - Completed at least 1 of the following:
      - MAT442 - Introduction to Numerical Analysis (3)
      - MAT506 - Mathematical Modeling I (3)
      - MAT524 - Boundary Value Problems (3)
      - STA541 - Mathematical Statistics II (3)
    - Earned at least 6 credits from MAT or STA 400 - 599
  - Co-Requirements:
  - Completed at least 1 of the following:
    - CSC145 - Introduction to Programming (3)
    - CSC232 - Introduction to Programming in C# (3)
    - CSC233 - Programming in Python (3)
    - CSC235 - Programming in C++ (3)
    - EGR140 - Introduction to Computing Applications in Science and Engineering (3)
  - Completed at least 21 credits from the following types of courses:
    Required Minor

Grand Total Credits: **64**

Minimum Credential Hours

120

Program Contact Information

Department of Mathematics and Statistics 6C9 Faculty Hall (270) 809-2311

Default Advisor

E. Thome

Mathematics (BA/BS: Bachelor of Arts or Bachelor of Science) - Mathematics/Applied Mathematics Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Mathematics (BA/BS: Bachelor of Arts or Bachelor of Science) - Mathematics/Applied Mathematics Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

270101

Specialization Level

Undergraduate

Department

Mathematics and Statistics

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - MAT100T - Transitions (1)
    - MAT250 - Calculus and Analytic Geometry I (5)
    - MAT308 - Calculus and Analytic Geometry II (5)
    - MAT309 - Calculus and Analytic Geometry III (4)
    - MAT312 - Mathematical Reasoning (3)
    - MAT335 - Matrix Theory and Linear Algebra (3)
    - MAT338 - Ordinary Differential Equations (3)
    - MAT442 - Introduction to Numerical Analysis (3)
    - STA540 - Mathematical Statistics I (4)
  - Required Limited Electives:
  - Complete all of the following
    - Earned at least 9 credits from MAT 400 - 599
    - Completed at least 15 credits from the following types of courses:
      Five or six courses related to the application of mathematics. Must total at least 18 hours and be approved by the advisory committee. The program is very flexible. For example, an emphasis in either biology, chemistry, computer science, earth and environmental science, engineering physics, statistics and finance, or actuarial science.
  - Co-Requirement:
  - Completed at least 6 credits from the following types of courses:
    Two courses in computer programming selected from a list approved by the Department of Mathematics and Statistics.

Grand Total Credits: **61**

Minimum Credential Hours

120

Specialization Contact Information

Department of Mathematics and Statistics 6C9 Faculty Hall (270) 809-2311

Default Advisor

E. Thome

Mathematics (BA/BS: Bachelor of Arts or Bachelor of Science) - Mathematics/Data Science Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Mathematics (BA/BS: Bachelor of Arts or Bachelor of Science) - Mathematics/Data Science Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

270101

Specialization Level

Undergraduate

Department

Mathematics and Statistics

College

Jesse D. Jones College of Science, Engineering and Technology

Specifically Required University Studies

- Completed the following:
    - MAT250 - Calculus and Analytic Geometry I (5)

Grand Total Credits: **5**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - MAT100T - Transitions (1)
    - STA253 - Introduction to Statistical Data Analysis (3)
    - STA265 - Methods of Statistics and Data Science (3)
    - MAT308 - Calculus and Analytic Geometry II (5)
    - MAT309 - Calculus and Analytic Geometry III (4)
    - MAT312 - Mathematical Reasoning (3)
    - MAT335 - Matrix Theory and Linear Algebra (3)
    - MAT442 - Introduction to Numerical Analysis (3)
    - STA540 - Mathematical Statistics I (4)
    - STA565 - Applied Statistics I (4)
    - STA567 - Introduction to Time Series Analysis (3)
  - Required Limited Electives:
  - Co-Requirement:
  - Completed the following:
    - CSC145 - Introduction to Programming (3)
    - CSC233 - Programming in Python (3)
    - CSC345 - Data Structures (3)
    - CSC508 - Data Analysis and Pattern Classification for Machine Learning (3)
  - Completed at least 1 of the following:
    - CIS407 - Advanced Database Management (3)
    - CIS509 - Data Management for Data Warehouses (3)
  - Required Limited Electives:
  - Completed at least 1 of the following:
    - STA568 - Bayesian Methods (3)
    - MAT518 - Introduction to Graph Theory (3)
    - CSC415 - Programming Languages (3)
    - CIS543 - Advanced Business Analytics (3)
  - Completed at least 1 of the following:
    - STA541 - Mathematical Statistics II (3)
    - STA566 - Applied Statistics II (3)
    - STA569 - Topics in Statistics (1 - 3)
    - MAT508 - Introduction to Combinatorics (3)
    - MAT515 - Theory of Numbers (3)
    - MAT528 - Introduction to Game Theory (3)
    - MAT535 - Linear Algebra (3)
    - MAT542 - Numerical Analysis (3)
    - MAT545 - Boolean Algebra with Applications to Digital Computer Design (3)
    - MAT570 - Linear Programming (3)

Grand Total Credits: **55 - 57**

Minimum Credential Hours

120

Specialization Contact Information

Department of Mathematics and Statistics 6C9 Faculty Hall (270) 809-2311

Default Advisor

E. Thome

Mathematics (BA/BS: Bachelor of Arts or Bachelor of Science) - Mathematics/Pre-MBA Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Mathematics (BA/BS: Bachelor of Arts or Bachelor of Science) - Mathematics/Pre-MBA Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

270101

Specialization Level

Undergraduate

Department

Mathematics and Statistics

College

Jesse D. Jones College of Science, Engineering and Technology

Specifically Required University Studies

- Completed the following:
    - MAT250 - Calculus and Analytic Geometry I (5)
    - MAT308 - Calculus and Analytic Geometry II (5)
    - MAT309 - Calculus and Analytic Geometry III (4)
    - ECO230 - Macroeconomics (3)
    - ECO231 - Microeconomics (3)

Grand Total Credits: **20**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - ACC200 - Principles of Financial Accounting (3)
    - ACC201 - Principles of Managerial Accounting (3)
    - BAC355 - Information Systems and Decision Making (3)
    - CSC199 - Introduction to Information Technology (3)
    - FIN330 - Principles of Finance (3)
    - LSC343 - Fundamentals of Operations and Technology (3)
    - MAT100T - Transitions (1)
    - MAT312 - Mathematical Reasoning (3)
    - MAT335 - Matrix Theory and Linear Algebra (3)
    - MGT350 - Fundamentals of Management (3)
    - MKT360 - Principles of Marketing (3)
    - STA540 - Mathematical Statistics I (4)
    - STA565 - Applied Statistics I (4)
  - Required Limited Electives:
  - Complete all of the following
    - Completed the following:
      - MAT338 - Ordinary Differential Equations (3)
    - Earned at least 9 credits from MAT 400 - 599
  - Co-Requirement:
  - Completed at least 1 of the following:
    - CSC145 - Introduction to Programming (3)
    - CSC232 - Introduction to Programming in C# (3)
    - CSC233 - Programming in Python (3)
    - CSC235 - Programming in C++ (3)
    - EGR140 - Introduction to Computing Applications in Science and Engineering (3)

Grand Total Credits: **54**

Minimum Credential Hours

120

Specialization Contact Information

Department of Mathematics and Statistics 6C9 Faculty Hall (270) 809-2311

Default Advisor

E. Thome

Mathematics (BA/BS: Bachelor of Arts or Bachelor of Science) - Mathematics/Pre-MS in Biostatistics Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Mathematics (BA/BS: Bachelor of Arts or Bachelor of Science) - Mathematics/Pre-MS in Biostatistics Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

270101

Specialization Level

Undergraduate

Department

Mathematics and Statistics

College

Jesse D. Jones College of Science, Engineering and Technology

Description

This program is designed for students majoring in Mathematics or Statistics at Murray State University to earn an MS degree in Biostatistics from the University of Louisville in a manner similar to a five year BS-MS program. The program requires completion of a minimum of 32 semester credit hours at the University of Louisville, 12 of which will complete a BA/BS degree in Mathematics/Applied Mathematics at Murray State University. Enrollment at the University of Louisville The applicant enrolls in the Spring semester at the University of Louisville as a visiting student during the last semester of their undergraduate study, taking 9 graduate hours and 3 undergraduate hours. Tuition and fees for all these courses will be charged at an undergraduate level. The Applicant will then transfer these 12 credit hours to MSU as undergraduate credit and earn the BA/BS degree at the end of the Spring semester. During the Spring semester, upon review of the complete application, which, among other materials, includes a satisfactory GRE score, the Applicant may be admitted to the MS degree in Biostatistics at the University of Louisville, conditional upon completion of the bachelor's degree from MSU. The 9 graduate credit hours applied toward the bachelor's degree will also be counted towards the MS degree in Biostatistics.

Specifically Required University Studies

- Completed the following:
  - MAT250 - Calculus and Analytic Geometry I (5)
  - BIO216 - Biological Inquiry and Analysis (4)

Grand Total Credits: **9**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - BIO115 - The Cellular Basis of Life (3)
    - MAT100T - Transitions (1)
    - MAT308 - Calculus and Analytic Geometry II (5)
    - MAT309 - Calculus and Analytic Geometry III (4)
    - MAT312 - Mathematical Reasoning (3)
    - MAT335 - Matrix Theory and Linear Algebra (3)
    - MAT338 - Ordinary Differential Equations (3)
    - MAT442 - Introduction to Numerical Analysis (3)
    - MAT525 - Advanced Calculus I (3)
    - STA540 - Mathematical Statistics I (4)
    - STA541 - Mathematical Statistics II (3)
    - STA565 - Applied Statistics I (4)
  - Computer Programming Electives:
  - Earned at least 6 credits from the following:
    - CSC145 - Introduction to Programming (3)
    - CSC232 - Introduction to Programming in C# (3)
    - CSC235 - Programming in C++ (3)
    - CSC325 - Advanced Object-Oriented Programming (3)
    - CSC332 - Advanced Programming in C# (3)
    - EGR140 - Introduction to Computing Applications in Science and Engineering (3)
  - Final semester coursework from the University of Louisville
  - Completed at least 12 credits from the following types of courses:
    Advanced Calculus II and 9 hours of coursework in Biostatistics

Grand Total Credits: **57**

Minimum Credential Hours

120

Specialization Contact Information

Department of Mathematics and Statistics 6C9 Faculty Hall (270) 809-2311

Default Advisor

E. Thome

Mathematics (BA/BS: Bachelor of Arts or Bachelor of Science) - Mathematics/Secondary Certification (Grades 8-12) Track (area)

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Mathematics (BA/BS: Bachelor of Arts or Bachelor of Science) - Mathematics/Secondary Certification (Grades 8-12) Track (area)

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

270101

Specialization Level

Undergraduate

Department

Mathematics and Statistics

College

Jesse D. Jones College of Science, Engineering and Technology

Graduation Requirements

Note: Certification requires a grade of *B* or better in one English composition course and a *B* or better in a University Studies math course, public speaking, and EDU 180 or equivalent course. Additional requirements for admission to teacher education and student teaching must be met. See advisor and/or the Office of Teacher Education Services for details.

EDU 480 must be taken with SEC 420 two semesters before student teaching.

EDU 485 and SEC 422 must be taken one semester before student teaching.

Specifically Required University Studies

- Completed the following:
  - MAT250 - Calculus and Analytic Geometry I (5)
  - MAT308 - Calculus and Analytic Geometry II (5)
  - PSY180 - General Psychology (3)
  - MAT309 - Calculus and Analytic Geometry III (4)

Grand Total Credits: **17**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - MAT100T - Transitions (1)
    - MAT312 - Mathematical Reasoning (3)
    - MAT335 - Matrix Theory and Linear Algebra (3)
    - MAT517 - Foundations of Geometry (3)
    - MAT550 - Teaching Mathematics (3)
    - MAT551 - Mathematics for Teachers (3)
    - STA540 - Mathematical Statistics I (4)
  - Required Limited Electives:
  - Complete all of the following
    - Completed the following:
      - MAT338 - Ordinary Differential Equations (3)
    - Completed at least 1 of the following:
      - MAT513 - Modern Algebra I (3)
      - MAT516 - Introduction to Topology (3)
      - MAT525 - Advanced Calculus I (3)
    - Completed at least 1 of the following:
      - MAT442 - Introduction to Numerical Analysis (3)
      - MAT506 - Mathematical Modeling I (3)
      - MAT524 - Boundary Value Problems (3)
      - STA541 - Mathematical Statistics II (3)
    - Earned at least 3 credits from MAT or STA 400 - 599
    - Completed at least 3 credits from the following types of courses:
      400-level or above courses related to the application of mathematics selected from a list approved by the Department of Mathematics and Statistics
  - Co-Requirement:
  - Completed at least 1 of the following:
    - CSC145 - Introduction to Programming (3)
    - CSC232 - Introduction to Programming in C# (3)
    - CSC233 - Programming in Python (3)
    - CSC235 - Programming in C++ (3)
    - EGR140 - Introduction to Computing Applications in Science and Engineering (3)
  - Required for Secondary Certification:
  - Earned a minimum grade of B in each of the following:
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)
  - Completed the following:
    - SEC420 - Practicum in Secondary Schools (3)
    - SEC421 - Student Teaching in the Secondary School (7 - 14)
    - SEC422 - Extended Practicum (4)

Grand Total Credits: **64 - 71**

Minimum Credential Hours

120

Specialization Contact Information

Department of Mathematics and Statistics 6C9 Faculty Hall (270) 809-2311

Default Advisor

E. Thome

Mathematics (BA/BS: Bachelor of Arts or Bachelor of Science) - Mathematics/Secondary Certification (Grades 8-12) Track (major)

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Mathematics (BA/BS: Bachelor of Arts or Bachelor of Science) - Mathematics/Secondary Certification (Grades 8-12) Track (major)

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

270101

Specialization Level

Undergraduate

Department

Mathematics and Statistics

College

Jesse D. Jones College of Science, Engineering and Technology

Graduation Requirements

Note: Certification requires a grade of *B* or better in one English composition course and a *B* or better in a University Studies math course, public speaking, and EDU 180 or equivalent course. Additional requirements for admission to teacher education and student teaching must be met. See advisor and/or the Office of Teacher Education Services for details.

SEC 420 and 422 must be taken one semester before student teaching.

Specifically Required University Studies

- Completed the following:
  - MAT250 - Calculus and Analytic Geometry I (5)
  - MAT308 - Calculus and Analytic Geometry II (5)
  - PSY180 - General Psychology (3)
  - MAT309 - Calculus and Analytic Geometry III (4)

Grand Total Credits: **17**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - MAT100T - Transitions (1)
    - MAT312 - Mathematical Reasoning (3)
    - MAT335 - Matrix Theory and Linear Algebra (3)
    - MAT517 - Foundations of Geometry (3)
    - MAT550 - Teaching Mathematics (3)
    - STA540 - Mathematical Statistics I (4)
  - Required Limited Electives:
  - Complete all of the following
    - Completed the following:
      - MAT338 - Ordinary Differential Equations (3)
    - Completed at least 1 of the following:
      - MAT513 - Modern Algebra I (3)
      - MAT516 - Introduction to Topology (3)
      - MAT525 - Advanced Calculus I (3)
    - Completed at least 1 of the following:
      - MAT442 - Introduction to Numerical Analysis (3)
      - MAT506 - Mathematical Modeling I (3)
      - MAT524 - Boundary Value Problems (3)
      - STA541 - Mathematical Statistics II (3)
  - Co-Requirement:
  - Completed at least 1 of the following:
    - CSC145 - Introduction to Programming (3)
    - CSC232 - Introduction to Programming in C# (3)
    - CSC233 - Programming in Python (3)
    - CSC235 - Programming in C++ (3)
    - EGR140 - Introduction to Computing Applications in Science and Engineering (3)
  - Required for Secondary Certification:
  - Earned a minimum grade of B in each of the following:
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)
  - Completed the following:
    - SEC420 - Practicum in Secondary Schools (3)
    - SEC421 - Student Teaching in the Secondary School (7 - 14)
    - SEC422 - Extended Practicum (4)

Grand Total Credits: **55 - 62**

Minimum Credential Hours

120

Specialization Contact Information

Department of Mathematics and Statistics 6C9 Faculty Hall (270) 809-2311

Default Advisor

E. Thome

Mathematics (MS: Master of Science)

Program Name

Mathematics

Degree

MS: Master of Science

CIP Code

270101

Program Level

Graduate

Department

Mathematics and Statistics

College

Jesse D. Jones College of Science, Engineering and Technology

Graduate Program Type

Graduate Degree

Description

The Master of Science and Master of Arts degrees are designed to provide students with the opportunity to study graduate level mathematics so that they may (1) obtain preferred employment in mathematics with government or industry, (2) teach at the junior college level or be better prepared to teach at the secondary school level, or (3) continue working toward a doctor of philosophy degree.

The Master of Arts program is a broadly based program which includes a study of algebra, analysis, topology, and the foundations of mathematics. The Master of Science program consists of a core of applied mathematics together with a core (at most nine hours) in an allied field such as business, computer science, or physics. The program is flexible and is particularly suited to meet the needs of students preparing for careers in business, industry, or government.

The department also offers the Master of Arts in Teaching degree in mathematics. This program is designed for certified teachers who wish to strengthen their discipline-based background and keep up with current information in educational theory, curriculum, and research.

All graduate programs in mathematics are planned in close consultation with the department graduate committee and are subject to its approval.

Requirements for Admission

Applicants must meet the Murray State University requirements (see *Graduate Admissions*). Additional requirements for unconditional and conditional admission to M.S. or M.A. programs are as follows:

Unconditional

• Bachelor's degree from a regionally accredited college with a major (or equivalent) in mathematics or a related field;
• Overall GPA of 3.0 or above;
• Minimal GPA of 3.0 in all mathematics courses beginning with the first calculus course;
• Minimal GPA of 3.0 in all major courses; and
• If the major is in a related field (not mathematics), the student must have credit for three calculus courses (including a multivariable calculus course), a proof-based course, a matrix/linear algebra course, and a differential equations course.

Conditional

Recommendation of the department graduate committee or
• A bachelor's degree from a regionally accredited college with a major in a related field and at least a 3.0 GPA in their major courses;
• Credit for three calculus courses (including a multivariable calculus course), a proof-based course, and a matrix/linear algebra course with a 3.0 GPA in all mathematics courses beginning with the last elementary calculus course;
• GPA of 3.0 or above in all mathematics courses beginning with the last elementary calculus course; and
• Two letters of recommendation from college teachers addressing the candidate's ability to do mathematics graduate work.

Graduation Requirements

All coursework must be approved by the department graduate committee. The student must complete two, two-course sequences. If the student has not completed two semesters of advanced calculus then one of the sequences must be MAT 625-626. At most, one of these sequences may be a completion of a sequence that was started as an undergraduate.

Other Degree Requirements (Thesis Track)

Oral defense and examination of thesis

An advanced course in real analysis (MAT 725)

Other Degree Requirements (Non-Thesis Track)

An advanced course in real analysis (MAT 725)

Comprehensive examinations over coursework

Program Requirements

- Complete 1 of the following
  - Complete all of the following
    - Thesis Requirements:
    - Earned at least 3 credits from MAT or STA 700 - 799
    - Select electives or up to 9 credits from an allied field (at the 600 or 700-level)
    - Earned at least 24 credits from MAT or STA 600 - 799
    - Earned at least 6 credits from the following:
      - MAT798 - Research and Thesis (3)
      - MAT799 - Research and Thesis (3)
  - Complete all of the following
    - Non-Thesis Track:
    - Earned at least 9 credits from MAT or STA 700 - 799
    - Select electives or up to 9 credits from an allied field (at the 600 or 700-level)
    - Earned at least 24 credits from MAT or STA 600 - 799

Grand Total Credits: **33**

Minimum Credential Hours

30

Program Contact Information

Department of Mathematics and Statistics 6C9 Faculty Hall (270) 809-2311

Default Advisor

T. Schroeder

Mathematics/Mathematics Teaching (MA: Master of Arts)

Program Name

Mathematics/Mathematics Teaching

Degree

MA: Master of Arts

CIP Code

270101

Program Level

Graduate

Department

Mathematics and Statistics

College

Jesse D. Jones College of Science, Engineering and Technology

Graduate Program Type

Graduate Degree

Description

The Master of Arts – Mathematics Teaching program is designed for certified teachers who wish to strengthen their background in mathematics and keep up with current information in educational theory, curriculum and research. The program provides both reasonable depth in the mathematics area and graduate-level exposure in supporting disciplines. Completion of this program fulfills the requirements for Rank II classification.

Requirements for Admission

Applicants must meet the Murray State University requirements (see *Graduate Admissions*).

Additional requirements for unconditional and conditional admission to the MA Mathematics Teaching program are as follows.

Unconditional

• Completion of requirements for teaching certification

• Documentation of secondary teacher certification in the United States or comparable teacher qualification document from another country

• Documentation of current certification for the duration of the program

• Minor in mathematics with 3.0 minimum mathematics GPA.

Conditional

• See MSU requirements (see *Graduate Admissions*) and conditional admission requirements for certification (see *College of Education and Human Services*)

• Completion of requirements for teaching certification

• Documentation of primary, middle, or secondary teacher certification in the United States or comparable teacher qualification document from another country

• Documentation of current certification for the duration of the program

• At least two calculus courses and two approved upper-level mathematics courses; and

• Two letters of recommendation from college teachers addressing the ability of the student to complete an MA degree related to teaching mathematics

Program Requirements

- Complete all of the following
  - Earned at least 18 credits from MAT or STA 600 - 799
  - Capstone project required. Consult with graduate coordinator.
  - Completed the following:
    - EDU621 - Advanced Methods of Teaching (3)
    - EDU637 - Instruction for Diverse Learners (3)
  - Completed at least 2 of the following:
    - EDU626 - Integration of Educational Technology (3)
    - EDU631 - Classroom Management and Student Motivation (3)
    - EDU633 - Curriculum Development (3)
    - PSY606 - Personality (3)
    - PSY662 - Advanced Adolescent Psychology (3)
    - REA618 - Content Area Literacy K-12 (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Program Contact Information

Department of Mathematics and Statistics 6C9 Faculty Hall (270) 809-2311

Default Advisor

T. Schroeder

Occupational Safety and Health (MS: Master of Science)

Program Name

Occupational Safety and Health

Degree

MS: Master of Science

CIP Code

150701

Program Level

Graduate

Department

Occupational Safety and Health: Graduate

College

Jesse D. Jones College of Science, Engineering and Technology

Graduate Program Type

Graduate Degree

Accreditations

Applied and Natural Science Accreditation Commission of ABET (ANSAC/ABET), www.abet.org

Description

The graduate program in occupational safety and health is unique in this region. In light of increased sensitivity to the safety of the work environment and to the overall health of all Americans, the program is a timely response to business and industry needs. Few programs of this type are found in higher education.

Requirements for Admission
Applicants must meet the Murray State University requirements (see *Graduate Admissions*).

Additional requirements for unconditional and conditional admission are as follows.

Unconditional
Unconditional Admission status is granted only to students who graduate from Murray State University with a baccalaureate degree in occupational safety and health with an overall GPA of 3.00 or higher.

Conditional
Conditional Admission status is granted to students with an undergraduate GPA of 2.75 or higher, regardless of undergraduate baccalaureate degree field or major. To change to Unconditional status, the student must meet the university requirement of obtaining a 3.00 in the first nine hours of graduate work and additional criteria set forth by the Department of Occupational Safety and Health.

Students admitted from a different undergraduate field/discipline must complete the following course work in addition to the above GPA requirements. Undergraduate coursework is required in biology, chemistry, mathematics, and physics. The following courses are the minimum accepted requirements for pursuing a master's degree in occupational safety and health.
• BIO 101

• PHY 125 and 126
• CHE 105

• PSY 300 or STA 135
• MAT 130 or MAT 140 and 145 or 150
Students must also complete 15 prerequisite credit hours in occupational safety and health and pass these courses with a minimum grade of *C*.

Admission Requirements

- Complete all of the following
  - Completed the following:
    - OSH192 - Introduction to Occupational Safety and Health (3)
    - OSH387 - OSH Standards (3)
    - OSH420 - Fundamentals of Industrial Hygiene (3)
  - Completed at least 1 of the following:
    - OSH353 - Prevention of Musculoskeletal Disorders in the Workplace (3)
    - OSH453 - Human Factors in Safety Engineering (3)
  - Completed at least 1 of the following:
    - OSH320 - Environmental and Occupational Health Engineering Technology (3)
    - OSH384 - Construction Safety (3)
    - OSH425 - Physical Agents (3)

Grand Total Credits: **15**

Graduation Requirements

Within departmental guidelines, the individual student's program is developed in consultation with advisor. Technical requirement courses are selected based on the student's program concentration and must be approved by the graduate program advisor.

Other Degree Requirements (Thesis Track)

Oral defense of thesis

Program Requirements

- Complete 1 of the following
  - Complete all of the following
    - Thesis Requirements:
    - Completed at least 4 of the following:
      - OSH621 - Industrial Hygiene and Safety Program Development (3)
      - OSH623 - Occupational Diseases (3)
      - OSH626 - Industrial Hygiene and Sampling Strategies (3)
      - OSH630 - Global Issues in Occupational Safety and Health (3)
      - OSH636 - Transportation Safety (3)
      - OSH637 - Biostatistics and Probability (3)
      - OSH640 - Safety and Health Program Management and Training (3)
      - OSH645 - Loss Control Management and Measurement (3)
      - OSH646 - Fundamentals of Risk Management (3)
      - OSH654 - Advanced Safety and Health Management and Administration (3)
      - OSH655 - Legal Aspects of Safety and Health (3)
      - OSH656 - Ergonomics and Biomechanics (3)
      - OSH658 - Introduction to Occupational Epidemiology (3)
      - OSH644 - Graduate Cooperative Education (3)
      - OSH680 - Graduate Seminar in Occupational Safety and Health (3)
    - Thesis:
    - Earned at least 6 credits from the following:
      - OSH698 - Thesis (3)
      - OSH699 - Thesis (3)
    - Complete one of the following concentrations. Substitutions within these concentrations can be made only with the approval of the advisor. Consult with advisor when choosing a concentration. Additional coursework may be required. Concentrations are: Safety Management, Industrial Hygiene, and Environmental.
    - Complete 1 of the following
      - Completed the following:
        - OSH621 - Industrial Hygiene and Safety Program Development (3)
        - OSH640 - Safety and Health Program Management and Training (3)
        - OSH650 - OSH Organizational Leadership and Management (3)
        - OSH655 - Legal Aspects of Safety and Health (3)
      - Completed the following:
        - OSH621 - Industrial Hygiene and Safety Program Development (3)
        - OSH622 - Toxicology of Industrial Materials (3)
        - OSH627 - Air Contaminants and Industrial Ventilation (3)
        - OSH663 - Applied Workplace Ergonomics (3)
      - Completed the following:
        - OSH622 - Toxicology of Industrial Materials (3)
        - OSH627 - Air Contaminants and Industrial Ventilation (3)
        - OSH687 - Wastewater Treatment (3)
        - OSH689 - Solid and Hazardous Waste Management (3)
  - Complete all of the following
    - Non-Thesis Requirements:
    - Completed at least 4 of the following:
      - OSH621 - Industrial Hygiene and Safety Program Development (3)
      - OSH623 - Occupational Diseases (3)

        - OSH626 - Industrial Hygiene and Sampling Strategies (3)
        - OSH630 - Global Issues in Occupational Safety and Health (3)
        - OSH636 - Transportation Safety (3)
        - OSH637 - Biostatistics and Probability (3)
        - OSH640 - Safety and Health Program Management and Training (3)
        - OSH645 - Loss Control Management and Measurement (3)
        - OSH646 - Fundamentals of Risk Management (3)
        - OSH654 - Advanced Safety and Health Management and Administration (3)
        - OSH655 - Legal Aspects of Safety and Health (3)
        - OSH656 - Ergonomics and Biomechanics (3)
        - OSH658 - Introduction to Occupational Epidemiology (3)
        - OSH644 - Graduate Cooperative Education (3)
        - OSH680 - Graduate Seminar in Occupational Safety and Health (3)
    - Non-Thesis Courses:
    - Completed the following:
        - OSH644 - Graduate Cooperative Education (3)
    - Completed at least 1 of the following:
        - OSH657 - Current Literature and Research in Safety and Health (3)
        - OSH697 - Research in Environmental Health and Safety (3)
    - Complete one of the following concentrations. Substitutions within these concentrations can be made only with the approval of the advisor. Consult with advisor when choosing a concentration. Additional coursework may be required. Concentrations are: Safety Management, Industrial Hygiene, and Environmental.
    - Complete 1 of the following
        - Completed the following:
            - OSH621 - Industrial Hygiene and Safety Program Development (3)
            - OSH640 - Safety and Health Program Management and Training (3)
            - OSH650 - OSH Organizational Leadership and Management (3)
            - OSH655 - Legal Aspects of Safety and Health (3)
        - Completed the following:
            - OSH621 - Industrial Hygiene and Safety Program Development (3)
            - OSH622 - Toxicology of Industrial Materials (3)
            - OSH627 - Air Contaminants and Industrial Ventilation (3)
            - OSH663 - Applied Workplace Ergonomics (3)
        - Completed the following:
            - OSH622 - Toxicology of Industrial Materials (3)
            - OSH627 - Air Contaminants and Industrial Ventilation (3)
            - OSH687 - Wastewater Treatment (3)
            - OSH689 - Solid and Hazardous Waste Management (3)

Grand Total Credits: **30**

Minimum Credential Hours

30

Program Contact Information

Department of Occupational Safety and Health 157 Collins Center (270) 809-2488

Default Advisor

B. Atieh

Occupational Safety and Health (Minor)

Program Name

Occupational Safety and Health

Degree

Minor

Program Level

Undergraduate

Department

Occupational Safety and Health: Undergraduate

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Courses may require prerequisites.

Program Requirements

- Complete all of the following
  - Completed the following:
    - OSH192 - Introduction to Occupational Safety and Health (3)
    - OSH353 - Prevention of Musculoskeletal Disorders in the Workplace (3)
    - OSH387 - OSH Standards (3)
    - OSH420 - Fundamentals of Industrial Hygiene (3)
  - Earned at least 9 credits from the following:
    - OSH101 - Emergency Medical Training (6)
    - OSH320 - Environmental and Occupational Health Engineering Technology (3)
    - OSH384 - Construction Safety (3)
    - OSH425 - Physical Agents (3)
    - OSH452 - Systems Approach to Hazard Control (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Occupational Safety and Health 157 Collins Center (270) 809-2488

Default Advisor

Dept Chair

Occupational Safety and Health/Environmental Health and Safety Track (BS: Bachelor of Science)

Program Name

Occupational Safety and Health/Environmental Health and Safety Track

Degree

BS: Bachelor of Science

CIP Code

150701

Program Level

Undergraduate

Department

Occupational Safety and Health: Undergraduate

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Accreditations

Applied and Natural Science Accreditation Commission of ABET (ANSAC/ABET), www.abet.org

Description

This track is designed to provide the technical and professional knowledge required by individuals pursuing professional careers in environmental issues and affairs such as water quality, air quality, and solid and hazardous waste management.

Graduation Requirements

Requirements for Admission:

Students may declare OSH as their area of choice at any point. However, students must be formally admitted into the OSH program before they can enroll in restricted classes which are OSH 353 and 400- (excluding 488) and 500-level OSH classes. In order to be admitted to the OSH program, a student must (1) have completed at least 30 credit hours of coursework directly applicable to an OSH degree from the OSH University Studies requirements, required core courses, non-restricted OSH classes at the 100-, 200- and 300-levels, and technical electives, with a minimum GPA of 2.50; (2) have no grade less than a C in an OSH class; (3) complete an application packet for admission to the program; (4) be successfully reviewed by the OSH program admissions committee; (5) apply by February 1 for summer/fall enrollment or by September 1 for spring enrollment; (6) follow the most current bulletin when admitted to the program. Admission is competitive and based on available space. Admission is subject to application and careful evaluation by the OSH program admissions committee.

Degree Requirements:

All occupational safety and health majors and minors must earn a minimum grade of *C* in all OSH courses. Any OSH course with a grade below a *C* must be repeated. The maximum number of times a student may enroll in an OSH class is twice; this includes audits and withdrawals after the first week of class. Exceptions would be made only if the student was forced to drop the class due to a life-changing event and not due to performance in the class. If a grade less than *C* is received in any OSH course for a second time, the course cannot be repeated and the student is dismissed from the program and is not eligible for readmission. A cumulative grade point average of at least 2.50 must be maintained to graduate.

CHE 105 course must contain a laboratory component.

CSC 199 can be substituted by another computer-related course with advisor's approval.

OSH 330 may be repeated for additional credit.

OSH 488 may be repeated for a second experience.

Specifically Required University Studies

- Completed the following:
  - BIO101 - Biological Concepts (4)
  - CHE105 - Introductory Chemistry (4)
  - MAT230 - Technical Math II (5)
  - PSY180 - General Psychology (3)
  - CSC199 - Introduction to Information Technology (3)
  - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **23**

Program Requirements

- Complete all of the following
  - Completed the following:
    - EGD120 - Processes and Materials (3)
    - MGT350 - Fundamentals of Management (3)
    - OSH100T - Transitions (1)
    - OSH192 - Introduction to Occupational Safety and Health (3)
    - OSH299 - Professional Development Seminar (1)
    - OSH310 - Fire and Emergency Preparedness Preplanning (3)
    - OSH311 - Hazardous Materials and Emergency Planning (3)
    - OSH320 - Environmental and Occupational Health Engineering Technology (3)
    - OSH353 - Prevention of Musculoskeletal Disorders in the Workplace (3)
    - OSH387 - OSH Standards (3)
    - OSH420 - Fundamentals of Industrial Hygiene (3)
    - OSH425 - Physical Agents (3)
    - OSH450 - Practical Application Laboratory (2)
    - OSH452 - Systems Approach to Hazard Control (3)
    - OSH488 - Cooperative Education/Internship (1 - 3)
    - OSH550 - Safety and Health Program Management and Training (3)
    - OSH591 - Engineering and Technical Aspects of Safety (3)
    - PHY125 - Brief Introductory Physics (4)
    - PHY126 - Brief Introductory Physics Laboratory (1)
  - Environmental Health and Safety Courses:
  - Completed the following:
    - CMA330 - Water Quality Technology I (3)
    - CMA331 - Water Quality Technology II (3)
    - OSH511 - Hazardous Waste Site Operation (3)
    - OSH523 - Occupational Diseases (3)
    - OSH527 - Air Contaminants and Industrial Ventilation (3)
  - Technical electives must be approved by advisor and chosen from the list below and/or the Occupational Safety and Health Track.
  - Earned at least 15 credits from the following:
    - CMA310 - Anatomy of Buildings (3)
    - CMA385 - Construction Estimating I (3)
    - CMA480 - Construction Planning and Management (3)
    - CMA585 - Remediation Technology (3)
    - CHE120 - Chemical Laboratory Safety (1)
    - CHE210 - Brief Organic Chemistry (3)
    - CHE215 - Brief Organic Chemistry Laboratory (1)
    - COM384 - Communication Skills for Professionals (3)
    - COM439 - Conflict and Communication (3)
    - CRJ140 - Introduction to Criminal Justice (3)
    - CRJ355 - Security in Business and Industry (3)
    - CRJ425 - Terrorism (3)
    - MGT550 - Human Resource Management (3)
    - MGT575 - Labor-Management Relations (3)
    - OSH330 - Global Issues in Occupational Safety and Health (3)
    - OSH371 - Professional Internship II (3)
    - OSH412 - Emergency Management (3)
    - OSH453 - Human Factors in Safety Engineering (3)
    - OSH488 - Cooperative Education/Internship (1 - 3)
    - OSH499 - Professional Development Seminar II (1)
    - OSH536 - Motor Fleet Safety (3)
    - OSH571 - Problems in Safety and Health (3)
    - OSH578 - Workshop in Safety and Health (1 - 3)
    - PSY405 - Industrial and Organizational Psychology (3)
    - SPA107 - Basic Spanish and Culture for Occupational Safety and Health (3)

Grand Total Credits: **79 - 81**

Minimum Credential Hours

120

Program Contact Information

Department of Occupational Safety and Health 157 Collins Center (270) 809-2488

Default Advisor

T. Byrd

Occupational Safety and Health/Occupational Safety and Health Track (BS: Bachelor of Science)

Program Name

Occupational Safety and Health/Occupational Safety and Health Track

Degree

BS: Bachelor of Science

CIP Code

150701

Program Level

Undergraduate

Department

Occupational Safety and Health: Undergraduate

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Accreditations

Applied and Natural Science Accreditation Commission of ABET (ANSAC/ABET), www.abet.org

Description

This track is designed to provide the technical and professional knowledge required by individuals pursuing professional careers in accident prevention, loss control management and supervision, inspection and control of occupational hazards, and industrial hygiene.

Graduation Requirements

Requirements for Admission:

Students may declare OSH as their area of choice at any point. However, students must be formally admitted into the OSH program before they can enroll in restricted classes which are OSH 353 and 400- (excluding 488) and 500-level OSH classes. In order to be admitted to the OSH program, a student must (1) have completed at least 30 credit hours of coursework directly applicable to an OSH degree from the OSH University Studies requirements, required core courses, non-restricted OSH classes at the 100-, 200- and 300-levels, and technical electives, with a minimum GPA of 2.50; (2) have no grade less than a C in an OSH class; (3) complete an application packet for admission to the program; (4) be successfully reviewed by the OSH program admissions committee; (5) apply by February 1 for summer/fall enrollment or by September 1 for spring enrollment; (6) follow the most current bulletin when admitted to the program. Admission is competitive and based on available space. Admission is subject to application and careful evaluation by the OSH program admissions committee.

Degree Requirements:

All occupational safety and health majors and minors must earn a minimum grade of *C* in all OSH courses. Any OSH course with a grade below a *C* must be repeated. The maximum number of times a student may enroll in an OSH class is twice; this includes audits and withdrawals after the first week of class. Exceptions would be made only if the student was forced to drop the class due to a life-changing event and not due to performance in the class. If a grade less than *C* is received in any OSH course for a second time, the course cannot be repeated and the student is dismissed from the program and is not eligible for readmission. A cumulative grade point average of at least 2.50 must be maintained to graduate.

CHE 105 course must contain a laboratory component.

CSC 199 can be substituted by another computer-related course with advisor's approval.

OSH 330 may be repeated for additional credit.

OSH 488 may be repeated for a second experience.

Specifically Required University Studies

- Completed the following:
  - BIO101 - Biological Concepts (4)
  - CHE105 - Introductory Chemistry (4)
  - MAT230 - Technical Math II (5)
  - PSY180 - General Psychology (3)
  - PSY180 - General Psychology (3)
  - CSC199 - Introduction to Information Technology (3)
  - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **26**

Program Requirements

- Complete all of the following
  - Completed the following:
    - EGD120 - Processes and Materials (3)
    - MGT350 - Fundamentals of Management (3)
    - OSH100T - Transitions (1)
    - OSH192 - Introduction to Occupational Safety and Health (3)
    - OSH299 - Professional Development Seminar (1)
    - OSH310 - Fire and Emergency Preparedness Preplanning (3)
    - OSH311 - Hazardous Materials and Emergency Planning (3)
    - OSH320 - Environmental and Occupational Health Engineering Technology (3)
    - OSH353 - Prevention of Musculoskeletal Disorders in the Workplace (3)
    - OSH387 - OSH Standards (3)
    - OSH420 - Fundamentals of Industrial Hygiene (3)
    - OSH425 - Physical Agents (3)
    - OSH450 - Practical Application Laboratory (2)
    - OSH452 - Systems Approach to Hazard Control (3)
    - OSH488 - Cooperative Education/Internship (1 - 3)
    - OSH550 - Safety and Health Program Management and Training (3)
    - OSH591 - Engineering and Technical Aspects of Safety (3)
    - PHY125 - Brief Introductory Physics (4)
    - PHY126 - Brief Introductory Physics Laboratory (1)
  - Safety Courses:
  - Completed the following:
    - OSH101 - Emergency Medical Training (6)
    - OSH384 - Construction Safety (3)
    - OSH445 - Loss Control Management and Measurement (3)
    - OSH546 - Fundamentals of Risk Management (3)
  - Technical electives must be approved by advisor and chosen from the list below and/or the Environmental Health and Safety Track.
  - Earned at least 15 credits from the following:
    - CMA310 - Anatomy of Buildings (3)
    - CMA385 - Construction Estimating I (3)
    - CMA480 - Construction Planning and Management (3)
    - CMA585 - Remediation Technology (3)
    - CHE120 - Chemical Laboratory Safety (1)
    - CHE210 - Brief Organic Chemistry (3)
    - CHE215 - Brief Organic Chemistry Laboratory (1)
    - COM384 - Communication Skills for Professionals (3)
    - COM439 - Conflict and Communication (3)
    - CRJ140 - Introduction to Criminal Justice (3)
    - CRJ355 - Security in Business and Industry (3)
    - CRJ425 - Terrorism (3)
    - MGT550 - Human Resource Management (3)
    - MGT575 - Labor-Management Relations (3)
    - OSH330 - Global Issues in Occupational Safety and Health (3)
    - OSH371 - Professional Internship II (3)
    - OSH412 - Emergency Management (3)
    - OSH453 - Human Factors in Safety Engineering (3)
    - OSH488 - Cooperative Education/Internship (1 - 3)
    - OSH499 - Professional Development Seminar II (1)
    - OSH536 - Motor Fleet Safety (3)
    - OSH571 - Problems in Safety and Health (3)
    - OSH578 - Workshop in Safety and Health (1 - 3)
    - PSY405 - Industrial and Organizational Psychology (3)
    - SPA107 - Basic Spanish and Culture for Occupational Safety and Health (3)

Grand Total Credits: **79 - 81**

Minimum Credential Hours

120

Program Contact Information

Department of Occupational Safety and Health 157 Collins Center (270) 809-2488

Default Advisor

T. Byrd

Physics (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Physics

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

400801

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Major

Graduation Requirements

Several required courses may also be used to meet University Studies requirements. Students are encouraged to work with their academic advisors to identify which University Studies courses to complete in order to help reduce the total number of credits required.

Program Requirements

- Complete all of the following
  - Completed the following:
    - EGR140 - Introduction to Computing Applications in Science and Engineering (3)
    - EGR240 - Thermodynamics I (3)
    - EGR390 - Engineering Measurements (3)
    - PHY100T - Transitions (1)
    - PHY235 - Mechanics, Heat and Wave Motion (4)
    - PHY236 - Mechanics, Heat and Wave Motion Laboratory (1)
    - PHY255 - Electricity, Magnetism and Light (4)
    - PHY256 - Electricity, Magnetism and Light Laboratory (1)
    - PHY460 - Electricity and Magnetism I (3)
    - PHY470 - Optics (3)
    - PHY530 - Mechanics I (3)
    - PHY580 - Modern Physics I (3)
  - Co-requirements for Major:
  - Completed the following:
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - MAT250 - Calculus and Analytic Geometry I (5)
    - MAT308 - Calculus and Analytic Geometry II (5)
    - MAT309 - Calculus and Analytic Geometry III (4)
    - MAT338 - Ordinary Differential Equations (3)
  - Completed at least 1 of the following:
    - CSC420 - Numerical Analysis I (3)
    - MAT442 - Introduction to Numerical Analysis (3)
  - Required Limited Elective:
  - Earned at least 3 credits from EGR or PHY 300 - 599
  - Completed at least 21 credits from the following types of courses:
    Required Minor: Several required courses for this major fulfill requirements for minors in chemistry and/or mathematics. Selecting one of these minors may help reduce the number of credits required for the degree.

Grand Total Credits: **86**

Minimum Credential Hours

120

Program Contact Information

Institute of Engineering 763A Collins Center (270) 809-3392

Default Advisor

J. Ridley

Physics (BA/BS: Bachelor of Arts or Bachelor of Science) - Physics/Secondary Certification (Grades 8-12) Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Physics (BA/BS: Bachelor of Arts or Bachelor of Science) - Physics/Secondary Certification (Grades 8-12) Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

400801

Specialization Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Specialization Type

Major

Graduation Requirements

Note: Requirements for teacher certification are established by the Kentucky Education Professional Standards Board. Students are cautioned that changes in these requirements may occur. For current information, students should check with an advisor in the Department of Adolescent, Career and Special Education and with Teacher Education Services.

Several required courses may also be used to meet University Studies requirements. Students are encouraged to work with their academic advisors to identify which University Studies courses to complete in order to help reduce the total number of credits required.

Certification requires a minimum grade of *B* in the following: one English composition course, one University Studies math course, a public speaking course, and EDU 180 or equivalent course. Additional requirements for admission to teacher education and student teaching must be met. Students should see their academic advisor or the Office of Teacher Education Services for details.

EDU 480 and SEC 420 must be taken together two semesters before student teaching.

SEC 422 must be taken one semester before student teaching.

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - EGR140 - Introduction to Computing Applications in Science and Engineering (3)
    - EGR240 - Thermodynamics I (3)
    - EGR390 - Engineering Measurements (3)
    - PHY100T - Transitions (1)
    - PHY235 - Mechanics, Heat and Wave Motion (4)
    - PHY236 - Mechanics, Heat and Wave Motion Laboratory (1)
    - PHY255 - Electricity, Magnetism and Light (4)
    - PHY256 - Electricity, Magnetism and Light Laboratory (1)
    - PHY460 - Electricity and Magnetism I (3)
    - PHY470 - Optics (3)
    - PHY530 - Mechanics I (3)
    - PHY580 - Modern Physics I (3)
  - Co-requirements for Major:
  - Completed the following:
    - CHE201 - General College Chemistry (5)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - MAT250 - Calculus and Analytic Geometry I (5)
    - MAT308 - Calculus and Analytic Geometry II (5)
    - MAT309 - Calculus and Analytic Geometry III (4)
    - MAT338 - Ordinary Differential Equations (3)
  - Completed at least 1 of the following:
    - CSC420 - Numerical Analysis I (3)
    - MAT442 - Introduction to Numerical Analysis (3)
  - Required Limited Electives:
  - Earned at least 3 credits from EGR or PHY 300 - 599
  - Required for Secondary Certification:
  - Earned a minimum grade of B in each of the following:
    - EDU180 - Exploring the Teaching Profession (3)
    - EDU280 - Educating for Human Development (3)
    - EDU380 - Inclusive Teaching of Diverse Learners (3)
    - EDU480 - Effective Pedagogy (2)
    - EDU485 - Professional Perspectives for Teaching (1)
  - Completed the following:
    - SEC420 - Practicum in Secondary Schools (3)
    - SED421 - Student Teaching in Special Education (7)
    - SEC422 - Extended Practicum (4)
  - Completed at least 21 credits from the following types of courses:
    Several required courses for this major fulfill requirements for minors in chemistry and/or mathematics. Selecting one of these minors may help reduce the number of credits required for the degree.

Grand Total Credits: **112**

Minimum Credential Hours

120

Specialization Contact Information

Institute of Engineering 763A Collins Center (270) 809-3392

Default Advisor

J. Ridley

Physics (Minor)

Program Name

Physics

Degree

Minor

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

PHY 130 and 131 may be substituted for PHY 235 and 236. PHY 132 and 133 may be substituted for 255 and 256, with approval from the department chair.

Program Requirements

- Complete all of the following
  - Completed the following:
    - PHY235 - Mechanics, Heat and Wave Motion (4)
    - PHY236 - Mechanics, Heat and Wave Motion Laboratory (1)
    - PHY255 - Electricity, Magnetism and Light (4)
    - PHY256 - Electricity, Magnetism and Light Laboratory (1)
    - PHY370 - Introduction to Modern Physics (3)
  - Completed at least 9 credits from the following types of courses:
    Approved physics or engineering physics courses numbered 300 and above

Grand Total Credits: **22**

Program Contact Information

Institute of Engineering 763A Collins Center (270) 809-3392

Default Advisor

Dept Chair

Sustainability Science (MS: Master of Science)

Program Name

Sustainability Science

Degree

MS: Master of Science

CIP Code

303301

Program Level

Graduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Graduate Program Type

Graduate Degree

Description

The Sustainability Science program is an interdisciplinary master's program within the Jones College of Science, Engineering, and Technology designed to prepare students for careers in sustainability or closely related fields that have sustainability needs. The course of study allows specialization in one of four tracks: Agricultural Sustainability, Environmental Sustainability, Industrial and Technical Sustainability, and Sustainability Education. All students must complete a core curriculum, two restricted electives, and advanced courses in their area of interest.

Requirements for Admission
Applicants must meet all Murray State University requirements (see *Graduate Admissions*).

Additional requirements for unconditional and conditional admission are listed below.
Unconditional
• Baccalaureate degree in science-related field.
• At least a 3.0 undergraduate GPA.
• Composite GRE score of at least 297 (148 verbal + 149 quantitative).
• International students: TOEFL score of at least 527; iBT TOEFL of 71; or IELTS score of 6.0.

Conditional
Recommendation of the advisory committee; international students must meet minimum testing scores described above.

Program Requirements

- Complete all of the following
  - Completed the following:
    - EES601 - Graduate Study in Geosciences (1)
    - EES607 - Land Use Planning (3)
    - ENT687 - Sustainable Environmental Technology (3)
    - WSC601 - Seminar in Sustainability Studies (2)
    - WSC693 - Sustainability Practicum I (3)
    - WSC694 - Sustainability Practicum II (4)
  - Restricted Electives:
  - Completed at least 2 of the following:
    - AGR661 - Sustainable Agriculture (3)
    - ARC615 - Environmental Archaeology (3)
    - BIO665 - Biogeochemistry (3)
    - STA665 - Applied Statistics I (4)
  - Unrestricted Electives:
  - Complete 1 of the following
    - Complete all of the following
      - Agricultural Sustainability:

- Earned at least 9 credits from the following:
    - AGR636 - Seminar in International Agriculture Systems (3)
    - AGR649 - Weeds and their Control (3)
    - AGR652 - Agricultural Policy (3)
    - AGR655 - Advanced Soil Fertility (3)
    - AGR661 - Sustainable Agriculture (3)
    - AGR662 - Principles of Agroecology (3)
    - AGR671 - Advanced Precision Agriculture (3)
    - AGR674 - Agricultural Irrigation and Water Systems (3)
    - CHE604 - Fundamentals of Toxicology (3)
    - CHE613 - Environmental Chemistry (3)
    - EES612 - Remote Sensing (4)
    - EES621 - Geographic Information Systems (4)
- Complete all of the following
    - Environmental Sustainability:
    - Earned at least 9 credits from the following:
        - AGR662 - Principles of Agroecology (3)
        - ARC610 - Landscape Archaeology (3)
        - ARC615 - Environmental Archaeology (3)
        - BIO625 - Biogeography (3)
        - BIO642 - Watershed Ecology (3)
        - BIO665 - Biogeochemistry (3)
        - BIO678 - Conservation Biology (4)
        - BIO690 - Disturbance Ecology (3)
        - CHE604 - Fundamentals of Toxicology (3)
        - CHE613 - Environmental Chemistry (3)
        - EES612 - Remote Sensing (4)
        - EES621 - Geographic Information Systems (4)
- Complete all of the following
    - Industrial and Technical Sustainability:
    - Earned at least 9 credits from the following:
        - CET686 - Environmental Assessment and Remediation (3)
        - CET688 - Waste Minimization and Pollution Prevention (3)
        - CHE604 - Fundamentals of Toxicology (3)
        - CHE613 - Environmental Chemistry (3)
        - ENT655 - Environmental Regulatory Affairs (3)
        - ENT681 - Pollution Assessment and Control (3)
        - ENT682 - Industrial Ecology (3)
        - ENT687 - Sustainable Environmental Technology (3)
        - IOE619 - Industrial Energy Management (3)
        - OSH622 - Toxicology of Industrial Materials (3)
        - OSH646 - Fundamentals of Risk Management (3)
        - OSH687 - Wastewater Treatment (3)
        - OSH689 - Solid and Hazardous Waste Management (3)
- Complete all of the following
    - Sustainability Education:
    - Earned at least 9 credits from the following:
        - NLS615 - Introduction to Environmental Education (3)
        - NLS664 - Techniques of Teaching Environmental Education (3)
        - NLS667 - International Environmental Education (3)
        - NLS668 - Agriculture and the Environment in the Classroom (3)
        - NLS670 - Field Experience in Environmental Education (2 - 3)

Grand Total Credits: **31 - 32**

Minimum Credential Hours

30

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

H. Cetin

Sustainability Studies (Minor)

Program Name

Sustainability Studies

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Earth and Environmental Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - ANT320 - Human Ecology (3)
    - EES103 - Saving Planet Earth (3)
    - ENG371 - Literature and the Environment (3)
    - PHI376 - Environmental Ethics (3)
  - Completed at least 2 of the following:
    - AGR353 - World Food, Agriculture and Society (3)
    - CMA284 - Sustainable Design and Construction (3)
    - NLS460 - Natural Resources and Society (3)
  - Completed at least 1 of the following:
    - AGR345 - Soil Science (3)
    - AGR378 - Agricultural Environmental Management Systems (3)
    - AGR455 - Soil Management (3)
    - ANT320 - Human Ecology (3)
    - ARC314 - Sediments and Soils (4)
    - BIO330 - Principles of Ecology (4)
    - BIO506 - Advanced Field Biology (4)
    - BIO578 - Conservation Biology (4)
    - CHE504 - Fundamentals of Toxicology (3)
    - CHE513 - Environmental Chemistry (3)
    - ECO345 - Environmental Economics (3)
    - ECO410 - Economic Development (3)
    - EES424 - Conservation and Environmental Geosciences (3)
    - EES507 - Land Use Planning (3)
    - ENT286 - Introduction to Environmental Engineering Technology (3)
    - PSY373 - Psychology of Consumer Behavior (3)
    - SOC325 - Sociology of Food (3)
    - SOC380 - Society and Technology (3)
    - SOC455 - Environmental Sociology (3)

Grand Total Credits: **21 - 22**

Minimum Credential Hours

21

Program Contact Information

Department of Earth and Environmental Sciences 334 Blackburn Science Building (270) 809-2591

Default Advisor

Q. Zhang

Telecommunications Systems Management (Minor)

Program Name

Telecommunications Systems Management

Degree

Minor

CIP Code

Program Level

Undergraduate

Department

Institute of Engineering

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - CNM134 - Introduction to Telecommunications Systems Management (2)
    - CNM135 - Introduction to Network Technology (3)
    - CNM232 - Operating Systems (3)
    - CNM233 - Network Services (3)
    - CNM241 - Networking Fundamentals (3)
  - Earned at least this many additional elective credits: 9

Grand Total Credits: **23**

Minimum Credential Hours

21

Program Contact Information

Institute of Engineering 263 Collins Center (270) 809-3392

Default Advisor

Dept Chair

Wildlife and Conservation Biology (Minor)

Program Name

Wildlife and Conservation Biology

Degree

Minor

Program Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - BIO149 - Introduction to Wildlife and Conservation Biology (1)
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO310 - Vertebrate Natural History (4)
    - BIO330 - Principles of Ecology (4)
    - BIO380 - Wildlife Techniques (4)
  - Completed at least 1 of the following:
    - BIO578 - Conservation Biology (4)
    - BIO580 - Principles of Wildlife Management (4)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

Dept Chair

Wildlife and Conservation Biology/Conservation Biology Track (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Wildlife and Conservation Biology/Conservation Biology Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

030601

Program Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Graduation Requirements

Core meets the course requirements for Associate Wildlife Biologist Certification from The Wildlife Society.

Specifically Required University Studies

- Completed the following:
  - BIO216 - Biological Inquiry and Analysis (4)
  - CHE105 - Introductory Chemistry (4)
  - CHE201 - General College Chemistry (5)
  - ECO230 - Macroeconomics (3)
  - ECO231 - Microeconomics (3)
  - ENG224 - Writing in the Professions (3)
  - MAT150 - Algebra and Trigonometry (5)
  - MAT250 - Calculus and Analytic Geometry I (5)
  - POL250 - Introduction International Relations (3)
  - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **39**

Program Requirements

- Complete all of the following
  - Completed the following:
    - BIO100T - Transitions (1)
    - BIO115 - The Cellular Basis of Life (3)
    - BIO149 - Introduction to Wildlife and Conservation Biology (1)
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO222 - Botany: Plant Form and Function (4)
    - BIO310 - Vertebrate Natural History (4)
    - BIO330 - Principles of Ecology (4)
  - Completed at least 1 of the following:
    - BIO333 - Genetics (4)
    - BIO377 - Conservation Genetics (3)
  - Completed the following:
    - BIO380 - Wildlife Techniques (4)
    - BIO499 - Senior Biology Seminar (1)
    - BIO554 - Dendrology and Forest Conservation (4)
    - BIO578 - Conservation Biology (4)
    - BIO580 - Principles of Wildlife Management (4)
    - BIO584 - Wildlife Policy and Administration (3)
  - Completed at least 1 of the following:
    - BIO350 - Systematic Botany (4)
    - BIO352 - Wetland Plant Identification (2)
    - BIO553 - Field Botany (4)
  - Completed at least 1 of the following:

        - BIO382 - Scientific Communication for the Biologist (2)
        - ENG324 - Technical Writing (3)
    - Completed at least 1 of the following:
        - BIO572 - Herpetology (4)
        - BIO573 - Ornithology (4)
        - BIO574 - Mammalogy (4)
    - Complete 2 of the following
        - Completed the following:
            - AGR345 - Soil Science (3)
        - Completed the following:
            - AGR350 - Soil Survey (3)
        - Completed the following:
            - AGR455 - Soil Management (3)
        - Completed the following:
            - CHE210 - Brief Organic Chemistry (3)
            - CHE215 - Brief Organic Chemistry Laboratory (1)
        - Completed the following:
            - EES199 - Earth Science (4)
        - Completed the following:
            - EES314 - Sediments and Soils (4)
        - Completed the following:
            - PHY130 - General Physics I (3)
            - PHY131 - General Physics I Laboratory (1)
    - Conservation Biology Track:
    - Completed the following:
        - PLN507 - Land Use Planning (3)
    - Completed at least 1 of the following:
        - BIO240 - Biological Applications of GIS (4)
        - EES202 - Introduction to Geographic Information Science (4)
    - Completed at least 1 of the following:
        - ECO310 - Issues in the Global Economy (3)
        - ECO345 - Environmental Economics (3)
        - HIS381 - Environmental History of the Americas (3)
        - HIS382 - Ecological History (3)
    - Career-Focused Electives:
    - Completed at least 1 credits from the following types of courses:
      Selected in consultation with an academic advisor and must provide knowledge and skills directly related to a student's future career objectives

Grand Total Credits: **69 - 75**

Minimum Credential Hours

120

Program Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

H. Whiteman

Wildlife and Conservation Biology/Conservation Education and Interpretation Track (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Wildlife and Conservation Biology/Conservation Education and Interpretation Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

030601

Program Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Graduation Requirements

Core meets the course requirements for Associate Wildlife Biologist Certification from The Wildlife Society.

Specifically Required University Studies

- Completed the following:
  - BIO216 - Biological Inquiry and Analysis (4)
  - CHE105 - Introductory Chemistry (4)
  - CHE201 - General College Chemistry (5)
  - EDP260 - Psychology of Human Development (3)
  - ENG224 - Writing in the Professions (3)
  - HIS221 - American Experience to 1865 (3)
  - HIS222 - American Experience Since 1865 (3)
  - MAT150 - Algebra and Trigonometry (5)
  - MAT250 - Calculus and Analytic Geometry I (5)
  - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **39**

Program Requirements

- Complete all of the following
  - Completed the following:
    - BIO100T - Transitions (1)
    - BIO115 - The Cellular Basis of Life (3)
    - BIO149 - Introduction to Wildlife and Conservation Biology (1)
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO222 - Botany: Plant Form and Function (4)
    - BIO310 - Vertebrate Natural History (4)
    - BIO330 - Principles of Ecology (4)
  - Completed at least 1 of the following:
    - BIO333 - Genetics (4)
    - BIO377 - Conservation Genetics (3)
  - Completed the following:
    - BIO380 - Wildlife Techniques (4)
    - BIO499 - Senior Biology Seminar (1)
    - BIO554 - Dendrology and Forest Conservation (4)
    - BIO578 - Conservation Biology (4)
    - BIO580 - Principles of Wildlife Management (4)
    - BIO584 - Wildlife Policy and Administration (3)

- Completed at least 1 of the following:
  - BIO350 - Systematic Botany (4)
  - BIO352 - Wetland Plant Identification (2)
  - BIO553 - Field Botany (4)
- Completed at least 1 of the following:
  - BIO382 - Scientific Communication for the Biologist (2)
  - ENG324 - Technical Writing (3)
- Completed at least 1 of the following:
  - BIO572 - Herpetology (4)
  - BIO573 - Ornithology (4)
  - BIO574 - Mammalogy (4)
- Complete 2 of the following
  - Completed the following:
    - AGR345 - Soil Science (3)
  - Completed the following:
    - AGR350 - Soil Survey (3)
  - Completed the following:
    - AGR455 - Soil Management (3)
  - Completed the following:
    - CHE210 - Brief Organic Chemistry (3)
    - CHE215 - Brief Organic Chemistry Laboratory (1)
  - Completed the following:
    - EES199 - Earth Science (4)
  - Completed the following:
    - EES314 - Sediments and Soils (4)
  - Completed the following:
    - PHY130 - General Physics I (3)
    - PHY131 - General Physics I Laboratory (1)
- Conservation Education and Interpretation Track:
- Completed the following:
  - JMC391 - Public Relations Principles (3)
- Completed at least 1 of the following:
  - NLS420 - Field Studies in Environmental Education (3)
  - NLS460 - Natural Resources and Society (3)
  - NLS470 - Interpretation of Cultural and Natural Resources (3)
- Completed at least 1 of the following:
  - HIS381 - Environmental History of the Americas (3)
  - HIS382 - Ecological History (3)
- Career-Focused Electives:
- Completed at least 2 credits from the following types of courses:
  Selected in consultation with an academic advisor and must provide knowledge and skills directly related to a student's future career objectives

Grand Total Credits: **69 - 75**

Minimum Credential Hours

120

Program Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

H. Whiteman

Wildlife and Conservation Biology/Conservation Law Enforcement Track (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Wildlife and Conservation Biology/Conservation Law Enforcement Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

030601

Program Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Graduation Requirements

Core meets the course requirements for Associate Wildlife Biologist Certification from The Wildlife Society.

Specifically Required University Studies

- Completed the following:
  - BIO216 - Biological Inquiry and Analysis (4)
  - CHE105 - Introductory Chemistry (4)
  - CHE201 - General College Chemistry (5)
  - CRJ140 - Introduction to Criminal Justice (3)
  - ENG224 - Writing in the Professions (3)
  - MAT150 - Algebra and Trigonometry (5)
  - MAT250 - Calculus and Analytic Geometry I (5)
  - PSY180 - General Psychology (3)
  - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **36**

Program Requirements

- Complete all of the following
  - Completed the following:
    - BIO100T - Transitions (1)
    - BIO115 - The Cellular Basis of Life (3)
    - BIO149 - Introduction to Wildlife and Conservation Biology (1)
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO222 - Botany: Plant Form and Function (4)
    - BIO310 - Vertebrate Natural History (4)
    - BIO330 - Principles of Ecology (4)
  - Completed at least 1 of the following:
    - BIO333 - Genetics (4)
    - BIO377 - Conservation Genetics (3)
  - Completed the following:
    - BIO380 - Wildlife Techniques (4)
    - BIO499 - Senior Biology Seminar (1)

        - BIO554 - Dendrology and Forest Conservation (4)
        - BIO578 - Conservation Biology (4)
        - BIO580 - Principles of Wildlife Management (4)
        - BIO584 - Wildlife Policy and Administration (3)
    - Completed at least 1 of the following:
        - BIO350 - Systematic Botany (4)
        - BIO352 - Wetland Plant Identification (2)
        - BIO553 - Field Botany (4)
    - Completed at least 1 of the following:
        - BIO382 - Scientific Communication for the Biologist (2)
        - ENG324 - Technical Writing (3)
    - Completed at least 1 of the following:
        - BIO572 - Herpetology (4)
        - BIO573 - Ornithology (4)
        - BIO574 - Mammalogy (4)
    - Complete 2 of the following
        - Completed the following:
            - AGR345 - Soil Science (3)
        - Completed the following:
            - AGR350 - Soil Survey (3)
        - Completed the following:
            - AGR455 - Soil Management (3)
        - Completed the following:
            - CHE210 - Brief Organic Chemistry (3)
            - CHE215 - Brief Organic Chemistry Laboratory (1)
        - Completed the following:
            - EES199 - Earth Science (4)
        - Completed the following:
            - EES314 - Sediments and Soils (4)
        - Completed the following:
            - PHY130 - General Physics I (3)
            - PHY131 - General Physics I Laboratory (1)
    - Conservation Law Enforcement Track:
    - Completed the following:
        - CRJ220 - Law Enforcement (3)
        - CRJ300 - Crime and Criminals (3)
    - Completed at least 1 of the following:
        - CRJ346 - Criminal Investigation (3)
        - CRJ365 - Interviewing and Interrogation (3)
    - Completed at least 1 of the following:
        - BIO308 - Ethics in Biology (3)
        - CRJ325 - Criminal Justice Ethics (3)
    - Career-Focused Electives:
    - Completed at least 0 credits from the following types of courses:
      Selected in consultation with an academic advisor and must provide knowledge and skills directly related to a student's future career objectives

Grand Total Credits: **70 - 76**

Minimum Credential Hours

120

Program Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

H. Whiteman

Wildlife and Conservation Biology/Wildlife Biology Track (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Wildlife and Conservation Biology/Wildlife Biology Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

030601

Program Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Graduation Requirements

Core meets the course requirements for Associate Wildlife Biologist Certification from The Wildlife Society.

Specifically Required University Studies

- Completed the following:
  - AGR199 - Contemporary Issues in Agriculture (3)
  - BIO216 - Biological Inquiry and Analysis (4)
  - CHE105 - Introductory Chemistry (4)
  - CHE201 - General College Chemistry (5)
  - ECO231 - Microeconomics (3)
  - ENG224 - Writing in the Professions (3)
  - MAT150 - Algebra and Trigonometry (5)
  - MAT250 - Calculus and Analytic Geometry I (5)
  - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **36**

Program Requirements

- Complete all of the following
  - Completed the following:
    - BIO100T - Transitions (1)
    - BIO115 - The Cellular Basis of Life (3)
    - BIO149 - Introduction to Wildlife and Conservation Biology (1)
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO222 - Botany: Plant Form and Function (4)
    - BIO310 - Vertebrate Natural History (4)
    - BIO330 - Principles of Ecology (4)
  - Completed at least 1 of the following:
    - BIO333 - Genetics (4)

        - BIO377 - Conservation Genetics (3)
    - Completed the following:
        - BIO380 - Wildlife Techniques (4)
        - BIO499 - Senior Biology Seminar (1)
        - BIO554 - Dendrology and Forest Conservation (4)
        - BIO578 - Conservation Biology (4)
        - BIO580 - Principles of Wildlife Management (4)
        - BIO584 - Wildlife Policy and Administration (3)
    - Completed at least 1 of the following:
        - BIO350 - Systematic Botany (4)
        - BIO352 - Wetland Plant Identification (2)
        - BIO553 - Field Botany (4)
    - Completed at least 1 of the following:
        - BIO382 - Scientific Communication for the Biologist (2)
        - ENG324 - Technical Writing (3)
    - Completed at least 1 of the following:
        - BIO572 - Herpetology (4)
        - BIO573 - Ornithology (4)
        - BIO574 - Mammalogy (4)
    - Complete 2 of the following
        - Completed the following:
            - AGR345 - Soil Science (3)
        - Completed the following:
            - AGR350 - Soil Survey (3)
        - Completed the following:
            - AGR455 - Soil Management (3)
        - Completed the following:
            - CHE210 - Brief Organic Chemistry (3)
            - CHE215 - Brief Organic Chemistry Laboratory (1)
        - Completed the following:
            - EES199 - Earth Science (4)
        - Completed the following:
            - EES314 - Sediments and Soils (4)
        - Completed the following:
            - PHY130 - General Physics I (3)
            - PHY131 - General Physics I Laboratory (1)
    - Wildlife Biology Track:
    - Completed at least 1 of the following:
        - BIO240 - Biological Applications of GIS (4)
        - EES202 - Introduction to Geographic Information Science (4)
    - Completed at least 1 of the following:
        - HIS381 - Environmental History of the Americas (3)
        - HIS382 - Ecological History (3)
    - Career-Focused Electives:
    - Completed at least 4 credits from the following types of courses:
      Selected in consultation with an academic advisor and must provide knowledge and skills directly related to a student's future career objectives

Grand Total Credits: **69 - 75**

Minimum Credential Hours

120

Program Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

H. Whiteman

Wildlife and Conservation Biology/Zoological Conservation Track (BA/BS: Bachelor of Arts or Bachelor of Science)

Program Name

Wildlife and Conservation Biology/Zoological Conservation Track

Degree

BA/BS: Bachelor of Arts or Bachelor of Science

CIP Code

030601

Program Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Area

Graduation Requirements

Core meets the course requirements for Associate Wildlife Biologist Certification from The Wildlife Society.

Specifically Required University Studies

- Completed the following:
  - BIO216 - Biological Inquiry and Analysis (4)
  - CHE105 - Introductory Chemistry (4)
  - CHE201 - General College Chemistry (5)
  - ENG224 - Writing in the Professions (3)
  - MAT150 - Algebra and Trigonometry (5)
  - MAT250 - Calculus and Analytic Geometry I (5)
  - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **30**

Program Requirements

- Complete all of the following
  - Completed the following:
    - BIO100T - Transitions (1)
    - BIO115 - The Cellular Basis of Life (3)
    - BIO149 - Introduction to Wildlife and Conservation Biology (1)
    - BIO221 - Zoology: Animal Form and Function (4)
    - BIO222 - Botany: Plant Form and Function (4)
    - BIO310 - Vertebrate Natural History (4)
    - BIO330 - Principles of Ecology (4)
  - Completed at least 1 of the following:
    - BIO333 - Genetics (4)
    - BIO377 - Conservation Genetics (3)
  - Completed the following:

        - BIO380 - Wildlife Techniques (4)
        - BIO499 - Senior Biology Seminar (1)
        - BIO554 - Dendrology and Forest Conservation (4)
        - BIO578 - Conservation Biology (4)
        - BIO580 - Principles of Wildlife Management (4)
        - BIO584 - Wildlife Policy and Administration (3)
    - Completed at least 1 of the following:
        - BIO350 - Systematic Botany (4)
        - BIO352 - Wetland Plant Identification (2)
        - BIO553 - Field Botany (4)
    - Completed at least 1 of the following:
        - BIO382 - Scientific Communication for the Biologist (2)
        - ENG324 - Technical Writing (3)
    - Completed at least 1 of the following:
        - BIO572 - Herpetology (4)
        - BIO573 - Ornithology (4)
        - BIO574 - Mammalogy (4)
    - Complete 2 of the following
        - Completed the following:
            - AGR345 - Soil Science (3)
        - Completed the following:
            - AGR350 - Soil Survey (3)
        - Completed the following:
            - AGR455 - Soil Management (3)
        - Completed the following:
            - CHE210 - Brief Organic Chemistry (3)
            - CHE215 - Brief Organic Chemistry Laboratory (1)
        - Completed the following:
            - EES199 - Earth Science (4)
        - Completed the following:
            - EES314 - Sediments and Soils (4)
        - Completed the following:
            - PHY130 - General Physics I (3)
            - PHY131 - General Physics I Laboratory (1)
    - Zoological Conservation Track:
    - Completed the following:
        - BIO538 - Animal Behavior (3)
        - BIO539 - Animal Behavior Laboratory (1)
        - BIO579 - Zoological Conservation (3)
    - Completed at least 1 of the following:
        - AGR300 - Principles of Animal Nutrition (3)
        - AGR310 - Applications in Animal Technology (3)
    - Career-Focused Electives:
    - Completed at least 1 credits from the following types of courses:
      Selected in consultation with an academic advisor and must provide knowledge and skills directly related to a student's future career objectives

Grand Total Credits: **69 - 75**

Minimum Credential Hours

120

Program Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

H. Whiteman

Wildlife Technician (CERT: Certificate)

Program Name

Wildlife Technician

Degree

CERT: Certificate

CIP Code

030601

Program Level

Undergraduate

Department

Biological Sciences

College

Jesse D. Jones College of Science, Engineering and Technology

Undergraduate Program Type

Certificate

Description

The Wildlife Technician Certification program is designed to provide students not majoring in Wildlife and Conservation Biology (WCB) with the knowledge and skills to successfully act as a wildlife technician with private and governmental organizations. The program will provide students with experience in field identification of various flora, fauna, and soils and field data collection methods. After certification, students will be qualified to apply for wildlife technician positions, which help wildlife biologists and conservation scientists gather data and carry out management and conservation plans.

This certificate is intended for non-WCB majors within the biology department that are interested in pursuing field technician positions in the future. Candidates outside of the biology department can also pursue the certificate but, in addition to the requirements below, will need to complete BIO 221 and 222 to meet pre-requisites associated with course requirements. Depending on which elective courses are chosen, BIO 216 and 330 may also be required. Elective courses with these additional requirements include: BIO 530, 554, 570, 572, 573, and 574.

Graduation Requirements

A minimum grade of *C* is required in all courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - BIO310 - Vertebrate Natural History (4)
    - BIO380 - Wildlife Techniques (4)
    - BIO553 - Field Botany (4)
  - Limited Electives:
  - Completed at least 1 of the following:
    - AGR345 - Soil Science (3)
    - AGR350 - Soil Survey (3)
  - Completed at least 1 of the following:
    - AGR170 - Introduction to Agricultural Systems Technology (3)
    - BIO506 - Advanced Field Biology (4)
    - BIO530 - Systematics and Bioinformatics (4)
    - BIO552 - Native Plants for Wildlife (2)
    - BIO554 - Dendrology and Forest Conservation (4)
    - BIO570 - Ichthyology (4)
    - BIO572 - Herpetology (4)
    - BIO573 - Ornithology (4)
    - BIO574 - Mammalogy (4)

Grand Total Credits: **17 - 19**

Minimum Credential Hours

12

Program Contact Information

Department of Biological Sciences 2112 Biology Building (270) 809-2786

Default Advisor

H. Whiteman

School of Nursing and Health Professions

Community Health Coordinator (Minor)

Program Name

Community Health Coordinator

Degree

Minor

Program Level

Undergraduate

Department

Applied Health Sciences

College

School of Nursing and Health Professions

Undergraduate Program Type

Minor

Graduation Requirements

A minimum 2.75 GPA and interview is required for admission. Students must earn a minimum grade of *B* in all minor coursework. Shadow hours and a community health practicum experience at participating clinics and/or hospitals under the supervision of the care coordinator and/or community health worker is required.

Six hours must be from upper-level courses.

Program Requirements

- Completed the following:
  - HEA191 - Personal Health (3)
  - HEA201 - Introduction to Public and Community Health (3)
  - HEA301 - Chronic and Communicable Diseases (3)
  - HEA303 - Health Behavior (3)
  - HEA350 - Foundation of Community Health Education (3)
  - HEA480 - Special Problems (1 - 3)
  - HIA301 - Overview of Healthcare Delivery System (3)
  - HIA401 - Healthcare Quality Management (3)

Grand Total Credits: **22 - 24**

Minimum Credential Hours

21

Program Contact Information

Department of Applied Health Sciences 408B Applied Science Building (270) 809-5742

Default Advisor

Dept Chair

Doctor of Nursing Practice (DNP: Doctor of Nursing Practice)

Program Name

Doctor of Nursing Practice

Degree

DNP: Doctor of Nursing Practice

CIP Code

513818

Program Level

Graduate

Department

Nursing

College

School of Nursing and Health Professions

Graduate Program Type

Graduate Degree

Description

The doctoral degree program in nursing is designed to move BSN prepared Registered Nurses to advanced practice. This unique program educates individuals to be advanced practice nurses (family nurse practitioners and nurse anesthetists) who are nursing leaders prepared to improve health-related outcomes at the individual client, population, and organization/system levels. The program has mandatory clinical experiences across the lifespan at clinical sites encompassing a wide variety of settings depending upon which specialization the student selects. Graduates of the DNP program will meet national certification criteria for advanced licensure.

Requirements for Admission

Applicants must meet the Murray State University requirements (see *Graduate Admissions*). In addition to the general MSU application, applicants must complete an application from the School of Nursing. This application must be submitted by the deadline set by the school. Admission is competitive and based on available space. Requirements for unconditional and conditional admission are as follows; additional requirements are listed under each concentration. All application materials must be submitted on or before the application deadline.

Unconditional

For unconditional admission, an applicant must have:

• undergraduate cumulative grade point average of 3.0 on 4.0 scale;

• an awarded Bachelor of Science in Nursing from an accredited program;

• official transcripts from every college/university attended submitted to Murray State Graduate Admissions;

• three positive professional references (forms provided);

• unencumbered licensure as a registered nurse;*

• eligibility for RN licensure in Kentucky;

• an interview with the Nursing Graduate Admissions Selection Committee;

• submitted proof of current CPR certification, immunizations, and TB testing;

• English Proficiency Requirements - students whose native language is not English, the Test of English as a Foreign Language internet-based test (TOEFL iBT) and have the following minimum scores:

-86 combined cumulative score AND minimum individual scores of -26 speaking -20 writing -20 reading -20 listening;

• provided a letter of good standing from all previously attended graduate programs (if applicant has been

dismissed from or withdrawn from a graduate nursing program.)

*In addition, students will be required to be licensed as a registered nurse in any state in which they intend to complete clinical hours for the program.

All application materials must be submitted on or before the application deadline.

Proof of up-to-date immunizations, tuberculin testing, CPR certification, ACLS/PALS (Nurse Anesthesia students), professional liability insurance, background check, and drug screening must be submitted upon acceptance to the program. Failure to submit and maintain required immunizations, certifications, professional liability insurance can result in mandated withdrawal or failure in the program. Failure to maintain an active non-limited RN licensure will result in dismissal from the program. Submit copies to the DNP Program Director, School of Nursing. Students must maintain an active unencumbered Registered Nursing license in the state of Kentucky and in all states that clinical experiences are conducted.

Admission deadlines are March 1, for Family Nurse Practitioner applicants and November 1, for Nurse Anesthesia applicants.

Clinical facilities require drug screening and criminal background checks.

Students are responsible for the purchase of uniforms, miscellaneous equipment and transportation during their program of study.

Detailed information about other policies, such as grading, testing, withdrawal, academic honesty and confidentiality, is available from the School of Nursing and in the MSU DNP Student Handbook.

Graduation Requirements

Students must maintain a cumulative GPA of 3.0. If the GPA falls below a 3.0 in any given semester, the student will be placed on probation for the following semester. If the GPA for the semester is not 3.0 or greater after the probationary semester, the student will be dismissed from the DNP program. Students must earn a minimum grade of *C* in all course work. Students must pass both theory and clinical practice in all courses. Once a student has a clinical failure, the student will receive an *E* for the course and may not withdraw from the course, regardless of the university calendar. If a grade less than *C* is received in one nursing course, the student will be dismissed from the program and is not eligible for readmission.

Program Contact Information

Department of Nursing 121 Mason Hall (270) 809-2193

Default Advisor

K. Garth

Doctor of Nursing Practice (DNP: Doctor of Nursing Practice) - Nursing/Family Nurse Practitioner Specialization

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Doctor of Nursing Practice (DNP: Doctor of Nursing Practice) - Nursing/Family Nurse Practitioner Specialization

Degree

DNP: Doctor of Nursing Practice

CIP Code

513818

Specialization Level

Graduate

Department

Nursing

College

School of Nursing and Health Professions

Accreditations

Commission on Collegiate Nursing Education (CCNE)

Specialization Requirements

- Complete all of the following
  - Core Courses:
  - Completed the following:
    - NUR603 - Theory and Concept Analysis in Nursing (3)
    - NUR631 - Advanced Nursing Research and Evidence-Based Practice (3)
    - NUR642 - Advanced Pharmacology (3)
    - NUR673 - Pathophysiology in Advanced Nursing Practice I (3)
    - NUR674 - Pathophysiology in Advanced Nursing Practice II (3)
    - NUR900 - Philosophy of Science (3)
    - NUR901 - Foundations of Advanced Nursing Practice (3)
    - NUR902 - Ethics in Nursing (2)
    - NUR903 - Principles of Epidemiology (3)
    - NUR905 - Health Care Policy (3)
    - NUR906 - Leadership and Quality Improvement/Patient Safety (3)
    - NUR909 - Capstone (3)
  - Earned at least 3 credits from the following:
    - NUR912 - Capstone Residency (1)
  - Clinical Courses:
  - Earned at least 10 credits from the following:
    - NUR641 - Advance Nursing Assessment (4)
    - NUR910 - Advanced Practice Clinical Residency (6)
  - Specialty Courses:
  - Completed the following:
    - NUR929 - Introduction to Primary Care (4)
    - NUR931 - Primary Care of the Family I (3)
    - NUR932 - Primary Care of the Family Clinical I (3)
    - NUR933 - Primary Care of the Family II (3)
    - NUR934 - Primary Care of the Family Clinical II (3)
    - NUR936 - Advanced Primary Care Nursing Practicum (5)
    - NUR937 - Primary Care III (3)
  - Additional Course:
  - Completed the following:
    - STA660 - Biostatistics (3)

Grand Total Credits: **75**

Minimum Credential Hours

75

Specialization Contact Information

Department of Nursing 121 Mason Hall (270) 809-2193

Default Advisor

K. Garth

Doctor of Nursing Practice (DNP: Doctor of Nursing Practice) - Nursing/MSN to DNP Specialization

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Doctor of Nursing Practice (DNP: Doctor of Nursing Practice) - Nursing/MSN to DNP Specialization

Degree

DNP: Doctor of Nursing Practice

CIP Code

513818

Specialization Level

Graduate

Department

Nursing

College

School of Nursing and Health Professions

Description

The MSN to DNP specialization is designed to move MSN prepared Advanced Practice Registered Nurses (APRNs) to a doctorate in nursing practice. All application materials must be submitted on or before the application deadline. Requirements for Admission Admission criteria is as follows: • master’s degree in nursing with advanced practice credentials from an ACEN/CCNE-accredited institution; • graduate cumulative grade point average of 3.5 on 4.0 scale; • official transcripts from every college/university attended submitted to Murray State Graduate Admissions; • current CPR certification; current ACLS and PALS certification for nurse anesthesia concentration only; • APRN certification - Clinical Nurse Specialist (CNS), Family Nurse Practitioner (FNP), Nurse Anesthetist (NA), or Nurse Mid-Wife (CNMW); • students whose native language is not English, a TOEFL/iBT scores of 86 combined and a minimum of 26 speaking, 20 writing, 20 reading, and 20 listening; • three professional recommendations submitted on a School of Nursing Recommendation form; • unencumbered licensure as an advanced practice registered nurse (students will also be required to be licensed as an APRN in any state in which they intend to complete clinical hours for the program); and • a successful interview with the graduate faculty. Students who request admission to Murray State University’s Doctor of Nursing Practice program must be in good standing at previously and/or currently enrolled programs. Proof of liability insurance for advanced practice nursing, current immunizations, hepatitis vaccine or signed waiver, and TB testing are required before enrollment in clinical nursing courses. Submit copies to the Graduate Coordinator, School of Nursing. Where unusual or extenuating circumstances are indicated, the Dean of the School of Nursing and Health Professions may admit a student who does not meet the above criteria.

Specialization Requirements

- Complete all of the following
  - Core Courses:
  - Completed the following:
    - NUR631 - Advanced Nursing Research and Evidence-Based Practice (3)
    - NUR900 - Philosophy of Science (3)
    - NUR902 - Ethics in Nursing (2)
    - NUR903 - Principles of Epidemiology (3)
    - NUR905 - Health Care Policy (3)
    - NUR906 - Leadership and Quality Improvement/Patient Safety (3)
    - NUR909 - Capstone (3)
  - Clinical Course:
  - Earned at least 9 credits from the following:
    - NUR911 - Clinical Residency I, II, III (3)
  - Additional Course:
  - Completed the following:
    - STA660 - Biostatistics (3)

Grand Total Credits: **32**

Minimum Credential Hours

32

Specialization Contact Information

Department of Nursing 121 Mason Hall (270) 809-2193

Default Advisor

K. Garth

Doctor of Nursing Practice (DNP: Doctor of Nursing Practice) - Nursing/Nurse Anesthesia Specialization

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Doctor of Nursing Practice (DNP: Doctor of Nursing Practice) - Nursing/Nurse Anesthesia Specialization

Degree

DNP: Doctor of Nursing Practice

CIP Code

513818

Specialization Level

Graduate

Department

Nursing

College

School of Nursing and Health Professions

Accreditations

Council on Accreditation of Nurse Anesthesia Educational Programs (COA) and Commission on Collegiate Nursing Education (CCNE)

Description

Nurse Anesthesia Specific Admission Requirements • Two (2) years critical care experience as a registered nurse (excluding orientation to the critical care unit) within the past five (5) years and by the time of application; • chemistry prerequisite of organic, inorganic, or biochemistry course; • current PALS and ACLS; and • completion of CCRN or NIC certification exams preferred.

Specialization Requirements

- Complete all of the following
  - Core Courses:
  - Completed the following:
    - NUR603 - Theory and Concept Analysis in Nursing (3)
    - NUR631 - Advanced Nursing Research and Evidence-Based Practice (3)
    - NUR642 - Advanced Pharmacology (3)
    - NUR673 - Pathophysiology in Advanced Nursing Practice I (3)
    - NUR674 - Pathophysiology in Advanced Nursing Practice II (3)
    - NUR900 - Philosophy of Science (3)
    - NUR901 - Foundations of Advanced Nursing Practice (3)
    - NUR902 - Ethics in Nursing (2)
    - NUR903 - Principles of Epidemiology (3)
    - NUR905 - Health Care Policy (3)
    - NUR906 - Leadership and Quality Improvement/Patient Safety (3)
    - NUR909 - Capstone (3)
  - Earned at least 3 credits from the following:
    - NUR912 - Capstone Residency (1)
  - Clinical Courses:
  - Earned at least 10 credits from the following:
    - NUR641 - Advance Nursing Assessment (4)
    - NUR949 - Professional Aspects and Clinical Residency for Nurse Anesthesia (6)
  - Clinical Specialty Courses:
  - Completed the following:
    - NUR939 - Foundations of Nurse Anesthesia I (3)
    - NUR940 - Foundations of Nurse Anesthesia II (3)
    - NUR941 - Principles and Practice of Nurse Anesthesia I (6)
    - NUR943 - Principles and Practice of Nurse Anesthesia II (4)
    - NUR945 - Principles and Practice of Nurse Anesthesia III (6)
    - NUR946 - Principles and Practice of Nurse Anesthesia IV (5)
    - NUR948 - Senior Seminar I and II (2)
    - NUR950 - Chemistry and Physics for Nurse Anesthesia (2)
  - Additional Course:
  - Completed the following:
    - STA660 - Biostatistics (3)

Grand Total Credits: **82**

Minimum Credential Hours

82

Specialization Contact Information

Department of Nursing 121 Mason Hall (270) 809-2193

Default Advisor

K. Garth

Exercise Science/Exercise Physiology Track (BS: Bachelor of Science)

Program Name

Exercise Science/Exercise Physiology Track

Degree

BS: Bachelor of Science

CIP Code

310505

Program Level

Undergraduate

Department

Applied Health Sciences

College

School of Nursing and Health Professions

Undergraduate Program Type

Area

Description

Exercise Science Health care professionals are in high demand nationwide, and exercise science is a top undergraduate degree that can guide students into health care careers. Graduates of Murray State University's Exercise Science program may choose to work independently as a business owner or with other health care professionals in a variety of settings, including hospital wellness centers, cardiac rehabilitation, corporate/community fitness programs, private industry, and other wellness-related facilities. Graduates may also consider pursuing a graduate degree in related fields, such as athletic training, chiropractic, occupational therapy, physical therapy, and physician assistant. The program's flexible design provides the opportunity for students, with advisor guidance, to tailor their coursework to address each students' career needs.

The exercise science program has two tracks for students to complete, exercise physiology and pre-health professional. Both tracks require students to complete a core set of courses but give the freedom for students to take profession-specific courses, such as graduate school prerequisites or career-focused coursework. The exercise physiology track is designed for students who are passionate about a career working with people interested in developing healthier lifestyles through a combination of exercise and educational programs. An exercise physiologist is a healthcare professional who often collaborates with other health care professionals to provide clients with information designed to manage and/or prevent health issues. consider the exercise physiology track.

The pre-health professional track provides students the opportunity to dive into foundational material necessary for graduate schools and careers as rehabilitation practitioners. With the flexibility of the program, the faculty are able to offer profession-specific elective courses, which provide introductory knowledge of career-specific concepts that assist students with the transition from the undergraduates to graduate students.

Students should note that completing MSU's Bachelor of Science in Exercise Science program does not guarantee acceptance to graduate programs. Acceptance into graduate programs is challenging and highly competitive. Successful applicants demonstrate a competitive academic history, have knowledge of the profession, and are motivated to succeed. Considering these high standards necessary for graduate programs and MSU's interest in each student's career success, criteria have been established that must be met prior to taking specific upper-level exercise science courses. Students who do not meet these requirements are encouraged to evaluate their career choice so the remaining coursework can be tailored to prepare them for the workforce or other graduate programs at the time of graduation from MSU.

Requirements necessary for acceptance to graduate programs differ depending on the field of study and the particular graduate program. Students are strongly encouraged to explore potential graduate programs or career options and narrow their areas of interest early in their undergraduate program. This will assist the student, under the guidance of their academic advisor, in developing an academic plan of action. Although academic advisors will be assisting students, it is the responsibility of the student to ensure all prerequisite

coursework required for a specific graduate program has been completed.

With the exception of first-semester freshmen, all students must have a cumulative grade point average (GPA) of 2.50 or higher and have completed all developmental courses prior to declaring exercise science as an area. Students must earn a minimum *C* in all EXS courses included as prerequisites and core. A cumulative GPA of 2.75 for students pursuing the exercise physiology track and a 3.00 for students pursuing the Pre-Health Professional Track is required prior to enrollment in the following courses: EXS 353, 354, and all 400-level EXS courses. A cumulative GPA of 2.75 for the exercise physiology track and a 3.00 for the pre-health professional track must be maintained to graduate.

Students are responsible for the purchase of uniforms, lab equipment, professional liability insurance, and transportation during their program of study. Prior to taking EXS 351, 354, 460, 469, and 470, students must have a current CPR/AED certification. In addition, students in EXS 460, 469, and 470 must provide proof of professional liability coverage.

Prior to graduating with an exercise science degree, all EXS students are required to take a comprehensive exam over material covered in core EXS classes. Students must earn at least 75% on the exam to graduate with an EXS degree. The exam is offered on select dates and is taken by students enrolled in EXS 445 Senior Seminar I.

Any EXS student that is not adequately progressing through the program and/or has not met program requirements are held to the following:

- If a student earns below a *C*, the course must be retaken the next opportunity it is offered. If the course is not offered the next semester (or circumstances do not permit), but the student meets the cumulative GPA requirements, they will be allowed to progress in other courses.
- If on the third attempt, the student is still unable to earn a minimum grade of *C*, the course cannot be repeated again for the EXS program and the student can no longer progress through the EXS program.

Graduation Requirements

Only one course from GCM 151 and 153 may be used toward this program.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - MAT150 - Algebra and Trigonometry (5)
    - PHI202 - Ethics (3)
    - PSY180 - General Psychology (3)
    - STA135 - Introduction to Probability and Statistics (4)
  - Completed at least 1 of the following:
    - BIO101 - Biological Concepts (4)
    - BIO221 - Zoology: Animal Form and Function (4)
  - Completed at least 1 of the following:
    - CHE111 - Essentials of Chemistry and Biochemistry (5)
    - CHE201 - General College Chemistry (5)
  - Completed at least 1 of the following:
    - CSC125 - Internet and Web Page Design (3)
    - CSC199 - Introduction to Information Technology (3)

Grand Total Credits: **27**

Program Requirements

- Complete all of the following
  - Core Courses:
  - Completed the following:
    - BIO227 - Human Anatomy Lecture (2)
    - BIO228 - Human Anatomy Laboratory (2)
    - BIO229 - Human Physiology (3)
    - BIO230 - Human Physiology Laboratory (1)
    - EXS100T - Transitions (1)
    - EXS200 - Scholarly Writing in Exercise Science (2)
    - EXS301 - Care and Prevention of Injuries (3)
    - EXS333 - Theories and Techniques in Strength and Conditioning (3)
    - EXS350 - Exercise Physiology (3)
    - EXS351 - Exercise Physiology Laboratory (2)
    - EXS353 - Exercise Testing (3)
    - EXS354 - Exercise Testing Laboratory (1)
    - EXS370 - Kinesiology (3)
    - EXS375 - Biomechanics in Sport and Exercise (3)
    - EXS385 - Sport and Exercise Psychology (3)
    - EXS405 - Exercise Prescription (3)
    - EXS445 - Senior Seminar I (1)
    - EXS469 - Professional Experience I (3)
    - EXS471 - Organizational Management in Health Science (3)
    - NTN230 - Nutrition (3)
  - Restricted Electives: Students must take at least 27 hours from the following courses. Ten of the 27 hours must be 300-level or above to meet graduation requirements. If the student elects to complete an approved minor, the minor hours plus an additional 1-6 hours from the restricted electives may be required to meet the 120 hour requirement for graduation.
  - Earned at least 27 credits from the following:
    - EXS201 - Data Evaluation in Exercise Science (1)
    - EXS275 - Exercise Instruction (3)
    - EXS295 - Acute Care of the Physically Active (2)
    - EXS356 - Health Promotion Programming (3)
    - EXS400 - Research Design and Statistics for Allied Health (3)
    - EXS415 - Exercise Testing and Prescription in Clinical Populations (3)
    - EXS433 - Advanced Practices in Strength and Conditioning (3)
    - EXS446 - Senior Seminar II (1)
    - EXS460 - Practicum (1 - 3)
    - EXS465 - Advanced Exercise Physiology (3)
    - EXS470 - Professional Experience II (3)
    - GCM151 - Introduction to Graphic Communications (3)
    - GCM153 - Electronic Imaging (3)
    - HEA303 - Health Behavior (3)
    - HEA311 - Epidemiology (3)
    - LST240 - The Legal Environment of Business (3)
    - MGT350 - Fundamentals of Management (3)
    - MGT358 - Entrepreneurial Business Plan Development (3)
    - MGT370 - Sports Business (3)
    - MKT360 - Principles of Marketing (3)
    - NLS402 - Financial Resource Management and Fund Development (3)
    - NTN333 - Nutrition Throughout the Life Cycle (3)

Grand Total Credits: **75**

Minimum Credential Hours

120

Program Contact Information

Department of Applied Health Sciences 408B Applied Science Building (270) 809-5742

Default Advisor

J. Erdmann

Exercise Science/Pre-Health Professional Track (BS: Bachelor of Science)

Program Name

Exercise Science/Pre-Health Professional Track

Degree

BS: Bachelor of Science

CIP Code

310505

Program Level

Undergraduate

Department

Applied Health Sciences

College

School of Nursing and Health Professions

Undergraduate Program Type

Area

Description

Exercise Science Health care professionals are in high demand nationwide, and exercise science is a top undergraduate degree that can guide students into health care careers. Graduates of Murray State University's Exercise Science program may choose to work independently as a business owner or with other health care professionals in a variety of settings, including hospital wellness centers, cardiac rehabilitation, corporate/community fitness programs, private industry, and other wellness-related facilities. Graduates may also consider pursuing a graduate degree in related fields, such as athletic training, chiropractic, occupational therapy, physical therapy, and physician assistant. The program's flexible design provides the opportunity for students, with advisor guidance, to tailor their coursework to address each students' career needs.

The exercise science program has two tracks for students to complete, exercise physiology and pre-health professional. Both tracks require students to complete a core set of courses but give the freedom for students to take profession-specific courses, such as graduate school prerequisites or career-focused coursework. The exercise physiology track is designed for students who are passionate about a career working with people interested in developing healthier lifestyles through a combination of exercise and educational programs. An exercise physiologist is a healthcare professional who often collaborates with other health care professionals to provide clients with information designed to manage and/or prevent health issues. consider the exercise physiology track.

The pre-health professional track provides students the opportunity to dive into foundational material necessary for graduate schools and careers as rehabilitation practitioners. With the flexibility of the program, the faculty are able to offer profession-specific elective courses, which provide introductory knowledge of career-specific concepts that assist students with the transition from the undergraduates to graduate students.

Students should note that completing MSU's Bachelor of Science in Exercise Science program does not guarantee acceptance to graduate programs. Acceptance into graduate programs is challenging and highly competitive. Successful applicants demonstrate a competitive academic history, have knowledge of the profession, and are motivated to succeed. Considering these high standards necessary for graduate programs and MSU's interest in each student's career success, criteria have been established that must be met prior to taking specific upper-level exercise science courses. Students who do not meet these requirements are encouraged to evaluate their career choice so the remaining coursework can be tailored to prepare them for the

workforce or other graduate programs at the time of graduation from MSU.

Requirements necessary for acceptance to graduate programs differ depending on the field of study and the particular graduate program. Students are strongly encouraged to explore potential graduate programs or career options and narrow their areas of interest early in their undergraduate program. This will assist the student, under the guidance of their academic advisor, in developing an academic plan of action. Although academic advisors will be assisting students, it is the responsibility of the student to ensure all prerequisite coursework required for a specific graduate program has been completed.

With the exception of first-semester freshmen, all students must have a cumulative grade point average (GPA) of 2.50 or higher and have completed all developmental courses prior to declaring exercise science as an area. Students must earn a minimum *C* in all EXS courses included as prerequisites and core. A cumulative GPA of 2.75 for students pursuing the exercise physiology track and a 3.00 for students pursuing the Pre-Health Professional Track is required prior to enrollment in the following courses: EXS 353, 354, and all 400-level EXS courses. A cumulative GPA of 2.75 for the exercise physiology track and a 3.00 for the pre-health professional track must be maintained to graduate.

Students are responsible for the purchase of uniforms, lab equipment, professional liability insurance, and transportation during their program of study. Prior to taking EXS 351, 354, 460, 469, and 470, students must have a current CPR/AED certification. In addition, students in EXS 460, 469, and 470 must provide proof of professional liability coverage.

Prior to graduating with an exercise science degree, all EXS students are required to take a comprehensive exam over material covered in core EXS classes. Students must earn at least 75% on the exam to graduate with an EXS degree. The exam is offered on select dates and is taken by students enrolled in EXS 445 Senior Seminar I.

Any EXS student that is not adequately progressing through the program and/or has not met program requirements are held to the following:

- If a student earns below a *C*, the course must be retaken the next opportunity it is offered. If the course is not offered the next semester (or circumstances do not permit), but the student meets the cumulative GPA requirements, they will be allowed to progress in other courses.
- If on the third attempt, the student is still unable to earn a minimum grade of *C*, the course cannot be repeated again for the EXS program and the student can no longer progress through the EXS program.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - MAT140 - College Algebra (4)
    - MAT145 - Trigonometry (3)
    - PSY180 - General Psychology (3)
    - STA135 - Introduction to Probability and Statistics (4)
  - Completed at least 1 of the following:
    - BIO101 - Biological Concepts (4)
    - BIO216 - Biological Inquiry and Analysis (4)
    - BIO221 - Zoology: Animal Form and Function (4)
  - Completed at least 1 of the following:
    - CHE111 - Essentials of Chemistry and Biochemistry (5)
    - CHE201 - General College Chemistry (5)
  - Completed at least 1 of the following:
    - HEA260 - Ethics of Healthcare Decision Making (3)
    - PHI202 - Ethics (3)

Grand Total Credits: **26**

Program Requirements

- Complete all of the following
  - Core Courses:
  - Completed the following:
    - BIO227 - Human Anatomy Lecture (2)
    - BIO228 - Human Anatomy Laboratory (2)
    - BIO229 - Human Physiology (3)
    - BIO230 - Human Physiology Laboratory (1)
    - EXS100T - Transitions (1)
    - EXS101 - Introduction to Exercise Science (3)
    - EXS200 - Scholarly Writing in Exercise Science (2)
    - EXS301 - Care and Prevention of Injuries (3)
    - EXS333 - Theories and Techniques in Strength and Conditioning (3)
    - EXS350 - Exercise Physiology (3)
    - EXS351 - Exercise Physiology Laboratory (2)
    - EXS353 - Exercise Testing (3)
    - EXS354 - Exercise Testing Laboratory (1)
    - EXS370 - Kinesiology (3)
    - EXS375 - Biomechanics in Sport and Exercise (3)
    - EXS385 - Sport and Exercise Psychology (3)
    - EXS405 - Exercise Prescription (3)
    - EXS445 - Senior Seminar I (1)
    - EXS469 - Professional Experience I (3)
    - EXS471 - Organizational Management in Health Science (3)
    - NTN230 - Nutrition (3)
  - Restricted Electives: Students must take at least 27 hours from the following courses. Ten of the 27 hours must be 300-level or above to meet graduation requirements. Selected from the following based on requirements of intended graduate program(s).
  - Earned at least 27 credits from: Courses from ATR 500-599
    - BIO220 - Clinical Terminology (3)
    - BIO300 - Introductory Microbiology (4)
    - CHE202 - General Chemistry and Qualitative Analysis (5)
    - CHE310 - Organic Chemistry I (3)
    - CHE311 - Organice Chemistry I Laboratory (2)
    - EXS201 - Data Evaluation in Exercise Science (1)
    - EXS275 - Exercise Instruction (3)
    - EXS295 - Acute Care of the Physically Active (2)
    - EXS304 - Evidence-Based Practice in Musculoskeletal Evaluation (3)
    - EXS400 - Research Design and Statistics for Allied Health (3)
    - EXS415 - Exercise Testing and Prescription in Clinical Populations (3)
    - PHY130 - General Physics I (3)
    - PHY131 - General Physics I Laboratory (1)
    - PHY132 - General Physics II (3)
    - PHY133 - General Physics II Laboratory (1)
    - PSY260 - Lifespan Development (3)
    - PSY307 - Abnormal Psychology (3)
    - SOC133 - Introduction to Sociology (3)

Grand Total Credits: **78**

Minimum Credential Hours

120

Program Contact Information

Department of Applied Health Sciences 408B Applied Science Building (270) 809-5742

Default Advisor

J. Erdmann

Movement Science (Minor)

Program Name

Movement Science

Degree

Minor

Program Level

Undergraduate

Department

Applied Health Sciences

College

School of Nursing and Health Professions

Undergraduate Program Type

Minor

Graduation Requirements

A minimum GPA of 2.50 is required for admission and retention. Students must earn a minimum grade of *C* in all minor coursework.

IF a movement science minor student's GPA (minor or overall) drops below 2.50, the student will have one semester to improve the GPA. If after the subsequent semester, the GPA (overall or minor) is below 2.50, the student will no longer be able to remain in this minor program.

Six hours must come from upper-level courses.

Program Requirements

- Complete all of the following
  - Complete 1 of the following
    - Completed the following:
      - BIO227 - Human Anatomy Lecture (2)
      - BIO228 - Human Anatomy Laboratory (2)
    - Completed the following:
      - EXS250 - Anatomical Concepts in Wellness (3)
  - Completed the following:
    - BIO229 - Human Physiology (3)
    - BIO230 - Human Physiology Laboratory (1)
    - EXS101 - Introduction to Exercise Science (3)
    - EXS275 - Exercise Instruction (3)
    - EXS350 - Exercise Physiology (3)
  - Completed at least 2 of the following:
    - EXS301 - Care and Prevention of Injuries (3)
    - EXS304 - Evidence-Based Practice in Musculoskeletal Evaluation (3)
    - EXS333 - Theories and Techniques in Strength and Conditioning (3)
    - EXS353 - Exercise Testing (3)
    - EXS356 - Health Promotion Programming (3)
    - EXS370 - Kinesiology (3)
    - EXS375 - Biomechanics in Sport and Exercise (3)
    - EXS385 - Sport and Exercise Psychology (3)
    - EXS405 - Exercise Prescription (3)
    - EXS433 - Advanced Practices in Strength and Conditioning (3)
    - EXS471 - Organizational Management in Health Science (3)

Grand Total Credits: **22 - 23**

Minimum Credential Hours

21

Program Contact Information

Department of Applied Health Sciences 408B Applied Science Building (270) 809-5742

Default Advisor

Dept Chair

Nursing (BSN: Bachelor of Science in Nursing)

Program Name

Nursing

Degree

BSN: Bachelor of Science in Nursing

CIP Code

513801

Program Level

Undergraduate

Department

Nursing

College

School of Nursing and Health Professions

Undergraduate Program Type

Area

Accreditations

Commission on Collegiate Nursing Education (CCNE)

Description

The baccalaureate nursing program is typically composed of three semesters of pre-nursing and five semesters of full-time study in the arts, sciences, and nursing. Upon completion of necessary prerequisite courses, students may apply for formal admission to the nursing program. This typically occurs the sophomore year of study. Proof of up-to-date immunizations, tuberculin testing, CPR certification, professional liability insurance, background check, and drug screening must be submitted upon acceptance to the program. Failure to submit documents can result in mandated withdrawal or failure in the program. The prerequisite courses for admission consideration are BIO 227, BIO 228, BIO 229, BIO 230, CHE 111, COM 161, EDP 260, ENG 105, MAT 140, NTN 230, PHI 202, and PSY 180. A grade point average of 3.00 and 47 hours completed are the minimum standards for admission into the program. Admission is competitive and based on available space. Students are expected to maintain a grade point average of at least 2.00 and may pursue either a full-time or part-time (with approval) course of study. Licensed practical nurses may apply for NUR 206 credit upon successful completion of NUR 200, 202, and 205.

Graduation Requirements

Students must earn a minimum grade of *C* in all course work. Students must pass both theory and clinical practice in all clinical nursing courses or the entire course must be repeated. Once a student has a clinical failure, the student will receive an *E* for the course and may not withdraw from the course, regardless of the university calendar. If a transfer student earned a *D* or *E* in a nursing course, it counts as a first failure in the MSU program. A student who must repeat a course is admitted to future courses on a space-available basis.

If a grade less than *C* is received in one nursing course, the student may repeat the course as soon as it is offered on a space-available basis. If a grade less than *C* is received in one nursing course for the second time, the course cannot be repeated and the student is not eligible for readmission. If two nursing courses are failed (less than a *C*), the student is dismissed from the program and is not eligible for readmission to the same option (the options are prelicensure BSN and RN-BSN).

Admission deadlines are May 1, for fall semesters and December 1 for spring semesters. Clinical facilities require drug screening and criminal background checks.

Students are responsible for the purchase of uniforms, miscellaneous equipment, and transportation during their program of study. Undergraduate nursing course clinical hours are calculated on a one-credit-hour-to-three-clinical-hour ratio. Clinical courses usually require more clinical hours than are listed in the class schedules. Students are encouraged to check with advisors about the necessary time commitment.

Detailed information about these and other policies, such as academic honesty and confidentiality is available from the School of Nursing and in the *MSU Student Handbook*.

For further information write: Nursing Program, Murray State University, 120 Mason Hall, Murray KY 42071-3302.

Note: Applicants to the nursing program must submit a certified copy of the court record of each misdemeanor or felony conviction and a letter of explanation that addresses each conviction. (201 KAR 20:270).

Specifically Required University Studies

- Complete all of the following
  - Completed at least 1 of the following:
    - BIO101 - Biological Concepts (4)
    - BIO221 - Zoology: Animal Form and Function (4)
  - Completed at least 1 of the following:
    - CIV201 - World Civilizations I (3)
    - CIV202 - World Civilizations II (3)
  - Completed the following:
    - CHE111 - Essentials of Chemistry and Biochemistry (5)
    - COM161 - Introduction to Public Speaking (3)
    - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - HUM211 - The Humanities Tradition (3)
    - MAT140 - College Algebra (4)
    - PHI202 - Ethics (3)
    - PSY180 - General Psychology (3)
    - STA135 - Introduction to Probability and Statistics (4)

Grand Total Credits: **36**

Program Requirements

- Completed the following:
  - BIO227 - Human Anatomy Lecture (2)
  - BIO228 - Human Anatomy Laboratory (2)
  - BIO229 - Human Physiology (3)
  - BIO230 - Human Physiology Laboratory (1)
  - EDP260 - Psychology of Human Development (3)
  - NTN230 - Nutrition (3)
  - NUR100T - Transitions (1)
  - NUR200 - Introduction to Nursing Concepts (4)
  - NUR202 - Nursing Assessment and Basic Interventions (4)
  - NUR205 - Pharmacology in Nursing (3)
  - NUR206 - Nursing Practice Fundamentals (0 - 5)
  - NUR301 - Pathophysiology for Nursing Practice (3)
  - NUR302 - Nursing Care of the Childbearing Families (3)
  - NUR305 - Nursing Care of the Childrearing Family (3)
  - NUR306 - Introduction to Research and Evidence Based Practice (3)
  - NUR307 - Nursing Care of Adults I (6)
  - NUR308 - Nursing Care of Adults II (6)
  - NUR400 - Applied Pharmacology (1)
  - NUR402 - Psychiatric Nursing (4)
  - NUR407 - Integration Practicum (4)
  - NUR408 - Nursing Care of Adults III (6)
  - NUR410 - Community Health Nursing (5)
  - NUR412 - Leadership and Management in Nursing (5)

Grand Total Credits: **75 - 80**

Minimum Credential Hours

120

Program Contact Information

Department of Nursing 218 Mason Hall (270) 809-2193

Default Advisor

D. Todd

Nursing (BSN: Bachelor of Science in Nursing) - Nursing/RN to BSN

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Nursing (BSN: Bachelor of Science in Nursing) - Nursing/RN to BSN

Degree

BSN: Bachelor of Science in Nursing

CIP Code

513801

Specialization Level

Undergraduate

Department

Nursing

College

School of Nursing and Health Professions

Specialization Type

Area

Accreditations

Commission on Collegiate Nursing Education (CCNE)

Description

Registered nursing students may complete requirements for the baccalaureate degree in nursing at Murray State University. Selected nursing courses may be earned by validation. The remaining nursing hours are taken from the nursing area curriculum shown below. A minimum grade of C is required of all courses to be used toward the BSN degree, including transfer work. Requirements for Admission to RN to BSN Admission to the RN-BSN program is dependent on being a graduate from an accredited institution's associate degree nursing program, a licensed nurse (RN), admitted to Murray State University, a cumulative GPA of 2.50, and the completion of the following pre-requisite courses with a minimum grade of C: ENG 105 (or ENG 101 and 102 or ENG 150), MAT 140 (College Algebra), CHE 111 (Chemistry) or BIO 300 (Microbiology), BIO 227, 228, 229, and 230 (Anatomy and Physiology I and II), COM 161 (Public Speaking) and PSY 180 (General Psychology). Compliance with the School of Nursing Health Policy: 1) proof of immunizations (MMR, tetanus (within last 10 years), Varicella titer, Hep B or waiver, and tuberculin screening; 2) proof of CPR certification; 3) proof of RN licensure; and 4) professional liability insurance = $1,000,000/$3,000,000.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - ENG105 - Critical Reading, Writing, and Inquiry (4)
    - MAT140 - College Algebra (4)
    - PSY180 - General Psychology (3)
    - STA135 - Introduction to Probability and Statistics (4)
  - Students may use credit for PSY 300 or 591 in place of STA 135

Grand Total Credits: **15**

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - BIO227 - Human Anatomy Lecture (2)
    - BIO228 - Human Anatomy Laboratory (2)
    - BIO229 - Human Physiology (3)
    - BIO230 - Human Physiology Laboratory (1)
  - Completed at least 1 of the following:
    - BIO300 - Introductory Microbiology (4)
    - CHE105 - Introductory Chemistry (4)
    - CHE111 - Essentials of Chemistry and Biochemistry (5)
  - Completed the following:
    - NUR306 - Introduction to Research and Evidence Based Practice (3)
    - NUR314 - Professional Nursing Practice (3)
    - NUR341 - Nursing Assessment (3)
    - NUR403 - Community Nursing (4)
    - NUR404 - Leadership and Management in Nursing (4)
  - Earned at least 3 credits from NUR
  - Courses required by validation or challenge:
  - Earned at least 22 credits from the following:
    - NUR500 - Nursing Experiences (22)

Grand Total Credits: **54 - 55**

Minimum Credential Hours

120

Specialization Contact Information

Department of Nursing 218 Mason Hall (270) 809-2193

Default Advisor

C. Murch

Nutrition (MS: Master of Science)

Program Name

Nutrition

Degree

MS: Master of Science

CIP Code

513101

Program Level

Graduate

Department

Applied Health Sciences

College

School of Nursing and Health Professions

Graduate Program Type

Graduate Degree

Description

The Master of Science (M.S.) in Nutrition is a 38-credit-hour program with two concentrations: internship or non-internship. Aging demographics, obesity, accelerated rates of nutrition-related diseases such as diabetes, and advances in nutrition and genetic research are fueling the demand for highly trained nutrition professionals.

Graduate students accepted to the internship concentration will complete 24 graduate credit hours while completing supervised practice training. Upon completion of the supervised practice training, individuals will complete additional coursework in statistics, nutrition-related topics, and nutrition research. The M.S. in Nutrition prepares completers of the dietetic internship to effectively compete in a growing job market in which 4 out of 10 entry-level dietitians nationally have earned a master’s degree. By 2024, a master’s degree will be the minimum education requirement to sit for the registration examination for dietitians.

Graduate students enrolled in the non-internship concentration will complete a 38-credit hour program that includes courses in nutrient metabolism, lifecycle nutrition, pathophysiology, nutrition for the aging adult, performance nutrition, trends in the food supply, statistics, and nutrition research. Students in this concentration also have the opportunity to take elective courses aligned with their professional goals. Coursework in the non-internship concentration allows graduates to apply for licensure in the state of Kentucky as a Certified Nutritionist.

Minimum Credential Hours

30

Program Contact Information

Department of Applied Health Sciences 408B Applied Science Building (270) 809-5742

Default Advisor

K. Stanczyk

Nutrition (MS: Master of Science) - Nutrition/Internship Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Nutrition (MS: Master of Science) - Nutrition/Internship Concentration

Degree

MS: Master of Science

CIP Code

513101

Specialization Level

Graduate

Department

Applied Health Sciences

College

School of Nursing and Health Professions

Description

Requirements for Admission: - Applicants must meet the Murray State University requirements (see Graduate Admissions) Additional requirement for admission is as follows: - Students must be accepted to the MSU Dietetic Internship Program accredited with the Accreditation Council for Education in Nutrition and Dietetics (ACEND)

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - HEA610 - Biostatistics in Public Health (3)
    - NTN610 - Scholarly Research and Writing for Nutrition Professionals (3)
    - NTN620 - Nutrition for the Aging Adult (3)
    - NTN623 - Leadership and Management in Food, Nutrition, and Dietetics (3)
    - NTN656 - Nutrition Research Literature Review (2)
    - NTN660 - Research Project in Nutrition I (3)
    - NTN661 - Research Project in Nutrition II (3)
  - Internship Concentration:
  - Completed the following:
    - NTN615 - Supervised Professional Practice Primer (2)
    - NTN640 - Dietetics Clinical Training Primer (1)
    - NTN641 - Medical Nutrition Therapy I (4)
    - NTN642 - Management Practice in Dietetics (2)
    - NTN643 - Community Nutrition (2)
    - NTN651 - Medical Nutrition Therapy II (4)
    - NTN653 - Advanced Clinical Practice (3)

Grand Total Credits: **38**

Minimum Credential Hours

30

Specialization Contact Information

Department of Applied Health Sciences 408B Applied Science Building (270) 809-5742

Default Advisor

K. Stanczyk

Nutrition (MS: Master of Science) - Nutrition/Non-Internship Concentration

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Nutrition (MS: Master of Science) - Nutrition/Non-Internship Concentration

Degree

MS: Master of Science

CIP Code

513101

Specialization Level

Graduate

Department

Applied Health Sciences

College

School of Nursing and Health Professions

Description

Requirements for Admission: - Applicants must meet the Murray State University requirements (see Graduate Admissions)

Specialization Requirements

- Complete all of the following
  - Completed the following:
    - HEA610 - Biostatistics in Public Health (3)
    - NTN610 - Scholarly Research and Writing for Nutrition Professionals (3)
    - NTN620 - Nutrition for the Aging Adult (3)
    - NTN623 - Leadership and Management in Food, Nutrition, and Dietetics (3)
    - NTN656 - Nutrition Research Literature Review (2)
    - NTN660 - Research Project in Nutrition I (3)
    - NTN661 - Research Project in Nutrition II (3)
  - Non-Internship Concentration:
  - Completed the following:
    - NTN621 - Performance Nutrition (3)
    - NTN622 - Trends in the Food Supply (3)
    - NTN630 - Nutrient Metabolism (3)
    - NTN633 - Nutrition throughout the Life Cycle (3)
    - NTN645 - Pathophysiology for Nutrition-Related Diseases (3)
  - Completed at least 3 credits from the following types of courses:
    Approved Elective

Grand Total Credits: **38**

Minimum Credential Hours

30

Specialization Contact Information

Department of Applied Health Sciences 408B Applied Science Building (270) 809-5742

Default Advisor

K. Stanczyk

Nutrition (Minor)

Program Name

Nutrition

Degree

Minor

Program Level

Undergraduate

Department

Applied Health Sciences

College

School of Nursing and Health Professions

Undergraduate Program Type

Minor

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Completed the following:
  - NTN230 - Nutrition (3)
  - NTN231 - Principles of Food Science and Preparation (4)
  - NTN330 - Nutrient Metabolism (3)
  - NTN333 - Nutrition Throughout the Life Cycle (3)
  - NTN350 - Nutrition Counseling and Education (3)
  - NTN412 - Community Nutrition and Health (3)
  - NTN445 - Pathophysiology for Nutrition-Related Diseases (3)

Grand Total Credits: **22**

Minimum Credential Hours

21

Program Contact Information

Department of Applied Health Sciences 408B Applied Science Building (270) 809-5742

Default Advisor

Dept Chair

Nutrition and Dietetics/Dietetics Track (BS: Bachelor of Science)

Program Name

Nutrition and Dietetics/Dietetics Track

Degree

BS: Bachelor of Science

CIP Code

513101

Program Level

Undergraduate

Department

Applied Health Sciences

College

School of Nursing and Health Professions

Undergraduate Program Type

Area

Accreditations

Accreditation Council for Education in Nutrition and Dietetics (ACEND)

Description

The Dietetics Track focuses on the application of principles of nutrition, physiology, biochemistry, behavioral and social sciences and management to promote optimal health in individuals, and leads to credentialing as a Registered Dietitian (R.D.). The R.D. is the nationally recognized credential in nutrition. It is required for most employment in the health care industry and preferred for many other employment opportunities in foods and nutrition. The admission requirements for the Dietetics Track are explained below. Upon successful completion of the B.S. degree program in Dietetics, a graduate must complete an accredited post-baccalaureate supervised practice program (Dietetic Internship Program) to gain eligibility for the national examination for R.D. status. Murray State also offers a post-baccalaureate dietetic internship program.

Dietetics Admission Requirements

The Dietetics Program is accredited by the Accreditation Council for Education in Nutrition and Dietetics as a Didactic Program in Dietetics (DPD). In order to be admitted into the DPD, a student must have completed at least 45 credit hours and have a GPA of 3.0 or above with a B or better in NTN 230, 231, and 330 and a C or better in BIO 115, CHE 105, CHE 210, and MAT 140. In order to obtain a Verification Statement upon completion of the DPD, a student must have a GPA of at least 3.0 and at least a C in all DPD required courses.

Upon completion of necessary prerequisite courses, students may apply for formal admission to the dietetics track. This typically occurs the second semester of the sophomore year of study. The student should request an application from the DPD Director. Admission is competitive and based on available space.

Graduation Requirements

Note: With proper advising, this program can meet requirements for physician assistant and certain other pre-professional programs.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - BIO101 - Biological Concepts (4)
    - BIO115 - The Cellular Basis of Life (3)
    - CHE105 - Introductory Chemistry (4)
    - CSC199 - Introduction to Information Technology (3)
    - MAT140 - College Algebra (4)
    - PSY180 - General Psychology (3)
  - Completed at least 1 of the following:
    - GDS201 - Introduction to Gender and Diversity Studies (3)
    - SOC133 - Introduction to Sociology (3)

Grand Total Credits: **24**

Program Requirements

- Complete all of the following
  - Core Requirements:
  - Complete 1 of the following
    - Completed the following:
      - BIO227 - Human Anatomy Lecture (2)
      - BIO228 - Human Anatomy Laboratory (2)
    - Completed the following:
      - EXS250 - Anatomical Concepts in Wellness (3)
  - Completed the following:
    - BIO229 - Human Physiology (3)
    - BIO230 - Human Physiology Laboratory (1)
    - CHE210 - Brief Organic Chemistry (3)
  - Completed at least 1 of the following:
    - EXS471 - Organizational Management in Health Science (3)
    - HIA305 - Health Administration and Management (3)
  - Completed the following:
    - NTN100T - Transitions (1)
    - NTN200 - Introduction to the Profession (1)
    - NTN230 - Nutrition (3)
    - NTN231 - Principles of Food Science and Preparation (4)
  - Completed at least 1 of the following:
    - NTN303 - Research Concepts in Food and Nutrition (3)
    - EXS200 - Scholarly Writing in Exercise Science (2)
  - Completed at least 1 of the following:
    - EXS201 - Data Evaluation in Exercise Science (1)
    - EXS400 - Research Design and Statistics for Allied Health (3)
  - Completed the following:
    - NTN330 - Nutrient Metabolism (3)
    - NTN333 - Nutrition Throughout the Life Cycle (3)
    - NTN350 - Nutrition Counseling and Education (3)
    - NTN371 - Quantity Food Production Practicum (1 - 2)
    - NTN372 - Quantity Food Production and Purchasing (3)
    - NTN373 - Management of Food Service, Personnel and Facilities (3)
    - NTN412 - Community Nutrition and Health (3)
    - NTN422 - Meal Management (3)
    - NTN499 - Senior Seminar (1)
  - Completed at least 1 of the following:
    - STA135 - Introduction to Probability and Statistics (4)
    - HEA310 - Biostatistics in Public Health (3)
  - Dietetics Courses:
  - Completed the following:
    - BIO300 - Introductory Microbiology (4)
    - CHE330 - Basic Biochemistry (3)
    - NTN434 - Clinical Dietetics Practicum (1)
    - NTN435 - Introduction to Pharmacology for Allied Health Professionals (3)
    - NTN440 - Medical Nutrition Therapy I (3)
    - NTN445 - Pathophysiology for Nutrition-Related Diseases (3)
    - NTN450 - Medical Nutrition Therapy II (4)
    - NTN460 - Advanced Clinical Cases in Dietetics (1)
    - NTN480 - Special Problems (1 - 3)

Grand Total Credits: **74 - 82**

Minimum Credential Hours

120

Program Contact Information

Department of Applied Health Sciences 408B Applied Science Building (270) 809-5742

Default Advisor

K. Stanczyk

Nutrition and Dietetics/Nutrition and Foods Track (BS: Bachelor of Science)

Program Name

Nutrition and Dietetics/Nutrition and Foods Track

Degree

BS: Bachelor of Science

CIP Code

513101

Program Level

Undergraduate

Department

Applied Health Sciences

College

School of Nursing and Health Professions

Undergraduate Program Type

Area

Description

The Nutrition and Foods Track provides a broad education in basic nutrition and food studies leading to a variety of career possibilities in food and nutrition. Today's interest in healthy lifestyles is translating into a remarkable range of career opportunities related to health, diet, and fitness. Graduates may be employed in a variety of settings such as education, government agencies, school, media, food management, or any position where the R.D. credential is not required.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - BIO101 - Biological Concepts (4)
    - BIO115 - The Cellular Basis of Life (3)
    - CSC199 - Introduction to Information Technology (3)
    - PSY180 - General Psychology (3)
  - Completed at least 1 of the following:
    - CHE105 - Introductory Chemistry (4)
    - CHE201 - General College Chemistry (5)
  - Completed at least 1 of the following:
    - GDS201 - Introduction to Gender and Diversity Studies (3)
    - SOC133 - Introduction to Sociology (3)
  - Complete 1 of the following
    - Completed at least 1 courses from MAT 117 - 599
    - Completed at least 1 courses from 135 - 599

Grand Total Credits: **20 - 21**

Program Requirements

- Complete all of the following
  - Core Requirements:
  - Complete 1 of the following
    - Completed the following:
      - BIO227 - Human Anatomy Lecture (2)
      - BIO228 - Human Anatomy Laboratory (2)
    - Completed the following:
      - EXS250 - Anatomical Concepts in Wellness (3)
  - Completed the following:
    - BIO229 - Human Physiology (3)
    - BIO230 - Human Physiology Laboratory (1)
    - CHE210 - Brief Organic Chemistry (3)
  - Completed at least 1 of the following:
    - EXS471 - Organizational Management in Health Science (3)
    - HIA305 - Health Administration and Management (3)
  - Completed the following:
    - NTN100T - Transitions (1)
    - NTN200 - Introduction to the Profession (1)
    - NTN230 - Nutrition (3)
    - NTN231 - Principles of Food Science and Preparation (4)
  - Completed at least 1 of the following:
    - NTN303 - Research Concepts in Food and Nutrition (3)
    - EXS200 - Scholarly Writing in Exercise Science (2)
  - Completed at least 1 of the following:
    - EXS201 - Data Evaluation in Exercise Science (1)
    - EXS400 - Research Design and Statistics for Allied Health (3)
  - Completed the following:
    - NTN330 - Nutrient Metabolism (3)
    - NTN333 - Nutrition Throughout the Life Cycle (3)
    - NTN350 - Nutrition Counseling and Education (3)
    - NTN371 - Quantity Food Production Practicum (1 - 2)
    - NTN372 - Quantity Food Production and Purchasing (3)
    - NTN373 - Management of Food Service, Personnel and Facilities (3)
    - NTN412 - Community Nutrition and Health (3)
    - NTN422 - Meal Management (3)
    - NTN499 - Senior Seminar (1)
  - Completed at least 1 of the following:
    - STA135 - Introduction to Probability and Statistics (4)
    - HEA310 - Biostatistics in Public Health (3)
  - Nutrition and Foods Course:
  - Completed the following:
    - HEA191 - Personal Health (3)

Grand Total Credits: **54 - 60**

Minimum Credential Hours

120

Program Contact Information

Department of Applied Health Sciences 408B Applied Science Building (270) 809-5742

Default Advisor

K. Stanczyk

Occupational Therapy (MS: Master of Science)

Program Name

Occupational Therapy

Degree

MS: Master of Science

CIP Code

512306

Program Level

Graduate

Department

Occupational Therapy

College

School of Nursing and Health Professions

Graduate Program Type

Graduate Degree

Description

Occupational Therapy (OT) is a medically-based profession that focuses on assisting individuals to achieve independence in the participation of activities of daily living. Occupational therapists provide services to individuals of all ages who have physical, developmental, emotional and/or social deficits. Graduates of this program will be familiar with the processes and procedures necessary to tailor rehabilitation individually for each client, through evaluation and treatment, and to seek to restore or improve function in occupational performance within the context of the client's life environments and relationships. Students are trained in OT intervention that includes restoration of performance abilities, instruction in compensatory techniques, adaptation of tasks, processes or environments, disability prevention techniques and health promotion strategies.

The entry-level occupational therapy program at Murray State University offers a unique curriculum designed to introduce the student to the profession of occupational therapy through current research, clinical experiences, and inter-professional collaboration with other healthcare professionals. The master's program is a 24- month year-round curriculum that strengthens students' critical inquiry, cultural competence, and patient care skills through didactic and clinical education. Level II Fieldwork is completed on a full-time basis the last two semesters of the program.

Upon completion of all curriculum requirements with a minimum grade of *B* in all coursework and a minimum GPA of 3.0 on a 4.0 scale, students will earn a Master of Science degree in Occupational Therapy and will be eligible to sit for the national certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy (NBCOT).

The entry-level occupational therapy master's degree program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449. ACOTE's telephone number c/o AOTA is (301) 652-AOTA and its Web address is www.acoteonline.org. Graduates of the program will be eligible to sit for the national certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be an Occupational Therapist, Registered (OTR). In addition, all states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. In addition, all states require licensure to practice occupational therapy; however, state licenses are usually based on the

results of the NBCOT Certification Examination. Level II Fieldwork must be completed within 24 months following completion of the didactic portion of the program.

Note: All states regulate occupational therapy practice and a felony conviction may affect a graduate's ability to sit for the NBCOT certification examination or attain state licensure.

The OT program is offered at the Murray State Paducah Regional Campus with clinical experiences occurring both regionally and nationally. Students may be required to relocate for internship experiences, and students must be prepared to bear any costs associated with relocation. These costs include, but are not limited to, transportation and housing at the fieldwork site. Students must also be prepared to travel more than an hour each way to assigned fieldwork sites.

Method of Delivery: The program will utilize traditional classroom instruction combined with technology-enhanced instruction. Students must be proficient in computer use including email, word processing, and internet search engines. Students in the OT program must have a laptop computer that includes a wireless connection to the internet.

Admission

Admission to the OT program is competitive and selective. Students wishing to pursue the Master of Science degree in Occupational Therapy have two routes for entry:

Accelerated Route

The accelerated, or 3+2, route provides students an opportunity to complete a bachelor’s and master’s degree within five years. Upon entering Murray State University, students who are interested in the Occupational Therapy program, but do not currently hold a bachelor’s degree, should declare the exercise science (EXS) major with the Pre-Health Professional track. During their third year of undergraduate study, students who complete the appropriate prerequisite coursework and follow the approved academic plan, are eligible to apply for admission to the OT program. If accepted into the professional program, conferral of the bachelor’s degree in exercise science will occur after the fourth year of study and conferral of the OT degree will occur upon completion of all OT program requirements.

To be considered for admittance to the master’s program through the accelerated route, the EXS student must 1) have 30 or fewer credit hours to complete all of the requirements of an Exercise Science baccalaureate degree 2) complete specific EXS course sequences (consult with academic advisor), 3) complete all University Studies courses, 4) complete all OT prerequisites with a minimum grade of *B* at the conclusion of MSU’s spring semester during the calendar year for which the student is applying and 5) have a prerequisite and overall undergraduate grade point average of at least 3.2 at the time of application. Accelerated students that successfully complete the curriculum sequence of OTR 600-OTR 643 with a minimum grade of *B*, that earn an overall GPA of 3.0/4.0, and that successfully complete the third semester of the professional program will be awarded a bachelor’s degree and will be able to continue progressing through the OT graduate program. Students that are unsuccessful in attaining the aforementioned criteria and/or are unsuccessful in passing departmental challenge exams, will work individually with the Program Director to determine an academic plan. Please refer to the *Academic Bulletin* for MSU’s *Accelerated Graduate Admission* policy and the Departmental Challenge Examinations statement.

Traditional Route

The traditional route is for students that have earned a bachelor’s degree in any area from an accredited university. Applicants that have completed (or will complete prior to admission) all OT program prerequisites, including specific prerequisite coursework, are eligible to apply for OT program admission.

Requirements

Applicants must meet the Murray State University requirements (see *Graduate Admissions*).

Prerequisite coursework

All students must successfully complete prerequisite coursework with a minimum grade of *B*. Official transcripts from all colleges/universities the applicant attended must be submitted. At least six of the eight required courses must be complete to be considered for admittance. The remaining courses, if applicable, must be completed satisfactorily prior to the start of OT coursework. All courses must be taken from an accredited university/college.

Human Anatomy (with lab) and Human Physiology (with lab) – minimum of 8 credits

(Anatomy and Physiology I and II courses are acceptable)

College Chemistry or Physics with lab – minimum of 4 credits

Psychology – 3 credits

Lifespan/Developmental Psychology – 3 credits

Abnormal Psychology – 3 credits

Statistics – 3 -4 credits

Medical Terminology – minimum of 1 credit

Grade point average (GPA)

GPA requirements vary depending on the applicant's route of entry.

Accelerated route

A cumulative and prerequisite GPA of greater than or equal to 3.2 on a 4.0 scale is required.

Traditional route

A cumulative and prerequisite GPA of greater than or equal to 3.0 on a 4.0 scale is required.

Occupational therapy-related experience

The applicant must provide documentation of at least 80 clock hours of observation, volunteer, or paid experience in two or more occupational therapy settings. At least half of the required hours must be under the supervision of a licensed occupational therapist.

Recommendations

The applicant must provide three professional recommendations. At least one of the recommendations must be from a licensed OT who has supervised the applicant work, volunteer or observe in the clinical setting. The other two references must be from a professional interaction. Recommenders must be able to provide insight as to the applicant's professionalism and potential as a graduate student.

Graduate Record Exam (GRE)

The applicant must provide scores from the GRE taken within the past five years. To submit GRE scores to Murray State University in Kentucky, enter the following code - 1494.

Application submission

Prior to the deadline, the applicant must submit an application through an online application system and to the Murray State University Graduate School. For detailed admission requirements and application deadlines, visit the OT Program website.

Other

After admittance, you will receive additional information on how to provide official documentation, including proof of satisfactory completion of the following:

- Current Basic Life Support/CPR certification for the Health Professional-in person certification only
- Professional Liability Insurance (admitted students will be provided detailed requirements of coverage)
- Proof of medical insurance coverage--annually and must cover the duration of the OT program
- Physical examination--annually and must cover the duration of the OT program
- Drug screen (will complete upon acceptance to OT program)
- Immunization record (including Hepatitis B or signed HBV waiver, influenza, TB, MMR, varicella, TDAP, etc.)
- Criminal background check (will complete upon acceptance to OT program)
- Fingerprinting and/or Child and Family Service Review as requested

English Proficiency Requirements

Students who are not native speakers of English must demonstrate competence in written and spoken English. This can be done by submitting a satisfactory score on the GRE as well as the TOEFL or IELTS, taken within two years of the date of application. The OT program at MSU requires a TOEFL (iBT) score of 90 with no less than 20 on each sub-score. An overall score of 6.5 with no section below 6.0.

An applicant with coursework/degree(s) from outside the United States must have his/her transcripts reviewed by MSU's International Admissions Office or an approved credentialing agency. An original report must be submitted.

The OT program Admission committee will review all applications. Invitations to attend a required on-campus interview will be granted to qualified applicants. In addition to the interview, applicants will be required to compose a written essay on a given topic. Travel expenses will be the responsibility of the applicant.

Due to the developmental nature of the OT curriculum, students will not be given graduate credit for advance placement, transfer credit, or credit for experiential learning to obtain admission to this program.

Retention Requirements

Students must:

•demonstrate professionalism including but not limited to the following: maintain confidentiality; show respect for faculty, staff, preceptors, and patients;

•sign an agreement to abide by all program policies and procedures;

•maintain a minimum of grade of *B* in all courses and OT GPA of 3.0 or greater;

Note: Students admitted through the accelerated route must pass departmental challenge exams to complete an undergraduate degree.

•achieve satisfactory completion of comprehensive assessments;

•provide personal transportation and/or housing for clinical rotations; and

•successfully perform essential skills required of clinicians. Any student who, after reasonable accommodations, cannot perform the essential skills may not be permitted to continue in the OT program.

It is the student’s responsibility to notify the Executive Director, Office of Institutional Diversity, Equity and Access (Telephone: 270- 809-3155), to request a reasonable accommodation. All requests must be accompanied by appropriate documentation from a qualified professional referencing the condition and specific need for the accommodation request.

Students in the MSOT program must have a laptop computer that includes a wireless connection to the internet. Murray State University uses the distance learning platform called Canvas. Students will be required to upload documents and assignments in Microsoft Word format (free access for students through Murray State), download & access videos and other electronic information for class materials, and have access to scanning capabilities.

Graduation Requirements

Graduation Requirements

Students must:

•maintain a minimum of grade of *B* in all courses and OT GPA of 3.0 or greater; and

•successfully perform essential skills required of clinicians.

Graduates of the program will be eligible to sit for the national certification examination for the occupational therapist, administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the graduate will be an occupational therapist, registered (OTR). in addition, most states require licensure to practice; however, state licenses are usually based on the results of the NBCOT certification examination. A felony conviction may affect a graduate’s ability to sit for the NBCOT certification examination or attain state licensure.

Program Requirements

- Complete all of the following
  - Completed the following:
    - OTR600 - Occupational Therapy Foundations I (3)
    - OTR603 - Occupational Therapy Functional Anatomy (3)
    - OTR606 - Occupational Therapy Evaluation Techniques (3)
    - OTR610 - Occupational Therapy Disease and Performance (3)
    - OTR613 - Occupational Science (2)
    - OTR620 - Occupational Therapy Foundations II (3)
    - OTR623 - Occupational Therapy Culture and Context (1)
    - OTR626 - Occupational Development (3)
    - OTR630 - Occupational Therapy Biomechanical Evaluation and Interventions (3)
    - OTR635 - Occupational Therapy Neuroscience (3)
    - OTR640 - Clinical Practicum I (1)
    - OTR643 - Occupational Therapy Neurological Evaluation and Interventions (3)
    - OTR646 - Administration and Management of Occupational Therapy Services (3)
    - OTR650 - Occupational Therapy Media and Modalities I (3)
    - OTR653 - Pediatric Evaluation and Interventions (3)
    - OTR655 - Clinical Practicum II (1)
    - OTR660 - Occupational Therapy Evidence-Based Practice (3)
    - OTR663 - Psychosocial Evaluation and Interventions (3)
    - OTR665 - Occupational Therapy Media and Modalities II (3)
    - OTR667 - Community-Based Practice (3)
    - OTR670 - Clinical Practicum III (1)
    - OTR672 - Level II Fieldwork I (6)
    - OTR674 - Clinical Research I (3)
    - OTR676 - Level II Fieldwork II (6)
    - OTR678 - Clinical Research II (3)
  - Students must complete all Level 2 Fieldwork within 18 months following completion of the didactic portion of the program.

Grand Total Credits: **72**

Minimum Credential Hours

30

Program Contact Information

Department of Applied Health Sciences 408B Applied Science Building (270) 809-5742

Default Advisor

S. Powers

Public and Community Health (Minor)

Program Name

Public and Community Health

Degree

Minor

Program Level

Undergraduate

Department

Applied Health Sciences

College

School of Nursing and Health Professions

Undergraduate Program Type

Minor

Graduation Requirements

A minimum 2.50 GPA is required for admission and retention. Students must earn a minimum grade of *C* in all minor coursework.

If a public and community health minor student's GPA (minor or overall) drops below 2.50, the student will have one semester to improve the GPA. If after the subsequent semester, the GPA (overall or minor) is below 2.50, the student will no longer be able to remain in this minor program.

No substitutions and/or alterations in the curriculum shall be made without written approval of the public and community health program director.

Six hours must be from upper-level courses.

Program Requirements

- Completed the following:
  - HEA191 - Personal Health (3)
  - HEA201 - Introduction to Public and Community Health (3)
  - HEA301 - Chronic and Communicable Diseases (3)
  - HEA302 - Consumer Health (3)
  - HEA303 - Health Behavior (3)
  - HEA311 - Epidemiology (3)
  - HIA301 - Overview of Healthcare Delivery System (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

Department of Applied Health Sciences 408B Applied Science Building (270) 809-5742

Default Advisor

Dept Chair

Public and Community Health (BS: Bachelor of Science)

Program Name

Public and Community Health

Degree

BS: Bachelor of Science

CIP Code

512208

Program Level

Undergraduate

Department

Applied Health Sciences

College

School of Nursing and Health Professions

Undergraduate Program Type

Area

Description

The Bachelor of Science in Public and Community Health is designed to prepare students to:

• promote the health of individuals and groups within the community;

• demonstrate the ability to think critically and behave ethically according to professional standards;

• work with individuals, groups, and families in a variety of settings, such as worksite, community health organizations, university-based health services, wellness centers, and community health programs at the local, state, or federal level;

• communicate with clients, families colleagues, and all stakeholders in health programs;

• sit for professional certifications/licensures; and/or

• pursue graduate studies in related fields.

A 2+2 curricular plan is available for students in the Kentucky Community and Technical College System.

Healthcare Administration Emphasis

This specialization provides students with the basic knowledge, skills, and applied studies needed for entry-level positions in a variety of settings, such as hospitals, physician group practices, nursing homes, home health agencies, consulting firms, pharmaceutical companies, and non-profit organizations. It can also be the springboard to a graduate program for those seeking higher-level positions. The curriculum includes business aspects of health care organizations, such as finance, management, and marketing, as well as health care planning, policy, and special event management.

Health Education and Promotion Emphasis

This specialization prepares students for careers in disease prevention, health and wellness promotion, and addressing health disparities. The theoretical and experiential education prepares students to make a difference in local, regional, national, and global settings. The health education and promotion curriculum includes advanced concepts in consumer health, substance abuse, human sexuality, nutrition, mental health, and evaluation and administration of health programs. These areas prepare students to sit for the national examination to earn professional recognition as a Certified Health Education Specialist (CHES).

Health Informatics Administration Emphasis

This specialization focuses on the increasing use of technology in the health care profession. A health informatics administrator plays a role in collecting, interpreting, analyzing, maintaining, and protecting data that health care providers rely on to deliver quality care. The curriculum includes aspects in coding and classification systems, management of patient health information, and administration of computer information systems. Students who complete this track will be qualified to take the national registration examination to earn professional recognition as a Registered Health Information Administrator (RHIA), once the concentration is accredited through CAHIIM.

Graduation Requirements

Program Requirements

Students must achieve and maintain an overall GPA of 2.50 and an area GPA of 2.75 on a 4.0 scale. Students must earn a minimum grade of *C* in Public and Community Health core courses to successfully complete the program. Additionally, a minimum grade of *B* in MAT 140 (or higher) and a minimum grade of *C* in BIO 101 is required for program completion.

Any Public and Community Health student that is not adequately progressing through the program and/or has not met program requirements are held to the following:

• If a student earns below a *C*, the course must be repeated at the next available offering. If the course is not offered the next semester (or circumstances do not permit), but the student meets the cumulative GPA requirements, they will be allowed to progress in other courses.

• If on the third attempt, the student is still unable to earn a minimum grade of *C*, the course cannot be repeated again for the Public and Community Health program and the student can no longer progress through the program.

Specifically Required University Studies

- Complete all of the following
  - Completed the following:
    - BIO101 - Biological Concepts (4)
    - MAT140 - College Algebra (4)
    - PSY180 - General Psychology (3)
  - Completed at least 1 of the following:
    - CSC101 - Introduction to Problem Solving Using Computers (3)
    - CSC199 - Introduction to Information Technology (3)
  - Completed at least 1 of the following:
    - HEA260 - Ethics of Healthcare Decision Making (3)
    - PHI202 - Ethics (3)

Grand Total Credits: **17**

Program Requirements

- Complete all of the following
  - Core Courses:
  - Completed the following:
    - HCA450 - Human Resource Management in Healthcare (3)
    - HEA100T - Transitions (1)
    - HEA191 - Personal Health (3)
    - HEA201 - Introduction to Public and Community Health (3)
    - HEA301 - Chronic and Communicable Diseases (3)
    - HEA302 - Consumer Health (3)
    - HEA303 - Health Behavior (3)
    - HEA311 - Epidemiology (3)
    - HEA448 - Health Policy (3)
    - HEA490 - Senior Seminar in Public and Community Health (1)
    - HIA301 - Overview of Healthcare Delivery System (3)
    - HIA401 - Healthcare Quality Management (3)
  - Earned at least 6 credits from the following:
    - HEA499 - Professional Experience in Public and Community Health (3 - 6)
  - Completed at least 1 of the following:
    - HEA310 - Biostatistics in Public Health (3)
    - PSY300 - Principles and Methods of Statistical Analysis (3)
    - STA135 - Introduction to Probability and Statistics (4)
  - Completed at least 1 of the following:
    - EXS400 - Research Design and Statistics for Allied Health (3)

        - NTN303 - Research Concepts in Food and Nutrition (3)
        - PSY301 - Principles and Methods of Psychological Research I (3)
        - SWK303 - Principles and Methods of Research (3)
    - Area of Emphasis: Select one subject area from the following:
    - Complete 1 of the following
        - Complete all of the following
            - Healthcare Administration:
            - Completed at least 1 of the following:
                - BUS215 - Business Communication (3)
                - COM380 - Organizational Communication (3)
            - Completed at least 1 of the following:
                - COM340 - Intercultural Communication (3)
                - HCA395 - Cultural Diversity for Health Care Organizations (3)
            - Completed the following:
                - HCA405 - Hospital and Health Services Administration (3)
                - HCA410 - Health Care Planning (3)
                - HCA415 - Financial Aspects of Health Service Organizations (3)
                - HEA356 - Health Promotion Programming (3)
                - HEA475 - Assessment and Evaluation (3)
                - NLS351 - Leadership, Governance, and Board Development (3)
        - Complete all of the following
            - Health Education and Promotion:
            - Completed the following:
                - HEA304 - Mental Health: A Public Health Perspective (3)
                - HEA350 - Foundation of Community Health Education (3)
                - HEA356 - Health Promotion Programming (3)
                - HEA412 - Environmental Health: A Public Health Perspective (3)
                - HEA460 - Human Sexuality (3)
                - HEA470 - Education for Drug Abuse Prevention (3)
                - HEA475 - Assessment and Evaluation (3)
                - NTN230 - Nutrition (3)
        - Complete all of the following
            - Health Informatics Administration:
            - Completed the following:
                - BIO220 - Clinical Terminology (3)
                - CIS317 - Principles of Information Systems Analysis and Design (3)
                - HCA405 - Hospital and Health Services Administration (3)
                - HCA410 - Health Care Planning (3)
                - HCA415 - Financial Aspects of Health Service Organizations (3)
                - HIA302 - Legal Aspects of Health Information Administration (3)
                - HIA303 - Healthcare Coding and Classification (3)
                - HIA402 - Medical Coding and Reimbursement Systems (3)
                - HIA410 - Healthcare Data Structures and Management (3)
                - CNM351 - Principles of Information Security (3)
            - Completed at least 1 of the following:
                - CSC145 - Introduction to Programming (3)
                - CSC232 - Introduction to Programming in C# (3)

Grand Total Credits: **68 - 78**

Minimum Credential Hours

120

Program Contact Information

Department of Applied Health Sciences 408B Applied Science Building (270) 809-5742

Default Advisor

M. Terry

Public and Community Health (BS: Bachelor of Science) - Public and Community Health/Health and Fitness Management Track

Attached Program

No renderer for this gadget(InheritFromTypeahead)! :_(

Specialization Name

Public and Community Health (BS: Bachelor of Science) - Public and Community Health/Health and Fitness Management Track

Degree

BS: Bachelor of Science

CIP Code

512208

Specialization Level

Undergraduate

Department

Applied Health Sciences

College

School of Nursing and Health Professions

Specialization Type

Area

Graduation Requirements

Only one course from HEA 415 and MGT 354 will count toward this program.

Specifically Required University Studies

- Completed the following:
  - ECO231 - Microeconomics (3)
  - HEA260 - Ethics of Healthcare Decision Making (3)
  - MAT117 - Mathematical Concepts (3)
  - PHI103 - Critical Thinking (3)
  - PSY180 - General Psychology (3)

Grand Total Credits: **15**

Specialization Requirements

- Complete all of the following
  - Core Courses:
  - Completed at least 1 of the following:
    - COM384 - Communication Skills for Professionals (3)
    - COM386 - Corporate Communication (3)
  - Completed the following:
    - EXS101 - Introduction to Exercise Science (3)
    - EXS250 - Anatomical Concepts in Wellness (3)
    - EXS275 - Exercise Instruction (3)
    - HEA100T - Transitions (1)
    - HEA191 - Personal Health (3)
    - HEA201 - Introduction to Public and Community Health (3)
    - HEA303 - Health Behavior (3)
    - HEA356 - Health Promotion Programming (3)
    - NTN230 - Nutrition (3)
    - NTN333 - Nutrition Throughout the Life Cycle (3)
    - NTN412 - Community Nutrition and Health (3)
    - MGT350 - Fundamentals of Management (3)
    - MKT360 - Principles of Marketing (3)
    - OSH353 - Prevention of Musculoskeletal Disorders in the Workplace (3)
    - STA125 - Statistical Reasoning (3)
  - Restricted Electives:
  - Earned at least 35 credits from the following:
    - ACC200 - Principles of Financial Accounting (3)
    - COM353 - Team Communication and Leadership (3)
    - COM439 - Conflict and Communication (3)
    - ECO370 - The Economics of Sports (3)
    - EXS385 - Sport and Exercise Psychology (3)
    - EXS400 - Research Design and Statistics for Allied Health (3)
    - EXS471 - Organizational Management in Health Science (3)
    - GDS201 - Introduction to Gender and Diversity Studies (3)
    - HCA405 - Hospital and Health Services Administration (3)
    - HCA410 - Health Care Planning (3)
    - HCA415 - Financial Aspects of Health Service Organizations (3)
    - HEA310 - Biostatistics in Public Health (3)
    - HEA311 - Epidemiology (3)
    - HEA415 - Communication Techniques for Health Care Providers (3)
    - HIA301 - Overview of Healthcare Delivery System (3)
    - LST240 - The Legal Environment of Business (3)
    - MGT354 - Techniques of Oral Reporting and Management Briefings (3)
    - MGT370 - Sports Business (3)
    - MKT460 - Integrated Marketing Communications (3)
    - MKT463 - Consumer Behavior (3)
    - NTN231 - Principles of Food Science and Preparation (4)
    - NTN350 - Nutrition Counseling and Education (3)
    - PHE475 - Policy and Professional Practice in Athletic Settings (3)
    - EXS469 - Professional Experience I (3)
    - HEA499 - Professional Experience in Public and Community Health (3 - 6)

Grand Total Credits: **81**

Minimum Credential Hours

120

Specialization Contact Information

Department of Applied Health Sciences 408B Applied Science Building (270) 809-5742

Default Advisor

M. Terry

University Libraries

Information Studies (Minor)

Program Name

Information Studies

Degree

Minor

Program Level

Undergraduate

Department

University Libraries

College

University Libraries

Undergraduate Program Type

Minor

Description

The Information Studies Minor is designed to cultivate learners who have an interest in the interdisciplinary study of the role of information in modern society.

Upon completion of the minor, students will be able to:

• demonstrate appropriate advanced information-seeking methods with the ability to utilize specific resources to accomplish advanced information-seeking tasks;

• discuss the complications of such controversial topics as propaganda, privacy, censorship, intellectual property, and others, and be able to take an informed stand on public policy purposes;

• critically discern authority, credibility, and bias among information creators;

• utilize skills attained within this program in professions (i.e. librarianship or information sciences) or advanced degrees that require critical thinking in information; and

• create and/or contribute new knowledge as part of the information society.

Graduation Requirements

Six hours must be from upper-level courses.

Program Requirements

- Complete all of the following
  - Completed the following:
    - INF101 - Research in the Information Age (3)
    - INF250 - Advanced Information Gathering: Resources and Strategies (3)
  - Completed at least 1 of the following:
    - INF260 - Censorship, Propaganda and Privacy (3)
    - INF270 - Intellectual Property in the Information Age (3)
  - Completed at least 1 of the following:
    - INF310 - Medical Information for Practitioners and Consumers (3)
    - INF320 - Examination of Scientific Communication (3)
    - INF330 - History of Libraries and the Written Word (3)
    - INF340 - Children's and Young Adult Literature and Storytelling (3)
  - Earned at least 9 credits from the following:
    - COM260 - Communication Ethics (3)
    - CSC125 - Internet and Web Page Design (3)
    - PHI103 - Critical Thinking (3)
    - INF350 - Topical Seminar in Information Studies (3)
    - INF400 - Directed Study (3)

Grand Total Credits: **21**

Minimum Credential Hours

21

Program Contact Information

University Libraries Waterfield Library (270) 809-2291

Default Advisor

A. Ireland

University Studies

University Studies: Ethics, Social Responsibility and Civic Engagement

Program Name

University Studies: Ethics, Social Responsibility and Civic Engagement

Program Level

Undergraduate

Department

University Studies

College

University Studies

Program Requirements

- Completed at least 1 of the following:
  - BIO103 - Saving Planet Earth (3)
  - BIO308 - Ethics in Biology (3)
  - COM260 - Communication Ethics (3)
  - CRJ140 - Introduction to Criminal Justice (3)
  - ENG226 - Argument and Discourse (3)
  - HEA191 - Personal Health (3)
  - HEA260 - Ethics of Healthcare Decision Making (3)
  - HIS176 - History of the United States Constitution (3)
  - HIS221 - American Experience to 1865 (3)
  - HIS222 - American Experience Since 1865 (3)
  - HON140 - Honors Seminar in American National Government (3)
  - HON212 - Honors Seminar in Ethics (3)
  - HON290 - Honors Seminar in Service and the Nonprofit Sector (3)
  - INF101 - Research in the Information Age (3)
  - NLS290 - Community Engagement and the Nonprofit Sector (3)
  - PHI142 - Philosophy-The Big Questions (3)
  - PHI202 - Ethics (3)
  - POL140 - American National Government (3)

Grand Total Credits: **3**

University Studies: Global Awareness, Cultural Diversity, and the World's Artistic Traditions

Program Name

University Studies: Global Awareness, Cultural Diversity, and the World's Artistic Traditions

Program Level

Undergraduate

Department

University Studies

College

University Studies

Program Requirements

- Completed at least 1 of the following:
  - AGR200 - International Agriculture Experience (3)
  - AGR353 - World Food, Agriculture and Society (3)

- ANT140 - Exploring World Cultures (3)
- ARC150 - Introduction to Archaeology (3)
- ART105 - Studio Art For Non-Majors (3)
- ART121 - Art and Visual Culture (3)
- ART211 - A Survey of Art from Antiquity to the Baroque (3)
- ART212 - A Survey of Art from the Enlightenment to the Present (3)
- ART213 - Art of Global Cultures (3)
- CHN101 - Elementary Chinese I (3)
- CHN102 - Elementary Chinese II (3)
- CHN105 - Introduction to Chinese Culture (3)
- CHN201 - Intermediate Chinese I (3)
- CHN202 - Intermediate Chinese II (3)
- CHN340 - Chinese Diversity Through Food (3)
- EES110 - World Geography (3)
- FRE101 - Fundamental Communication in French (3)
- FRE102 - Social Interactions in French (3)
- FRE105 - Introduction to French Culture (3)
- FRE110 - Basic Conversational French (3)
- FRE201 - Intercultural Communications in French (3)
- FRE202 - Practical Applications in French (3)
- FRE210 - Intermediate French Conversation (3)
- GDS201 - Introduction to Gender and Diversity Studies (3)
- GER101 - Fundamental Communication in German (3)
- GER102 - Social Interactions in German (3)
- GER105 - Introduction to German Culture (3)
- GER110 - Basic Conversational German (3)
- GER201 - Intercultural Communications in German (3)
- GER202 - Practical Applications in German (3)
- GER210 - Intermediate Conversational German (3)
- HIS105 - History of Fashion (3)
- HIS202 - Understanding Global History (3)
- HIS309 - Survey of World Religions (3)
- HON150 - Honors Seminar in Archaeology (3)
- HON161 - Honors Seminar in Visual Arts (3)
- HON162 - Honors Seminar in Music (3)
- HON163 - Honors Seminar in Theatre (3)
- HON164 - Honors Seminar in Arts and Culture Abroad (3)
- HON270 - Honors Seminar in International Relations (3)
- HON272 - Honors Seminar in Comparative Politics (3)
- HUM215 - Humanities in the Contemporary World: Border Crossings (3)
- JPN101 - Elementary Japanese I (3)
- JPN102 - Elementary Japanese II (3)
- JPN105 - Introduction to Japanese Culture (3)
- JPN110 - Basic Conversational Japanese (3)
- JPN201 - Intermediate Japanese I (3)
- JPN202 - Intermediate Japanese II (3)
- JPN210 - Intermediate Conversational Japan (3)
- MUS104 - Introduction to Jazz History (3)
- MUS105 - Introduction to Music History (3)
- MUS106 - Music in Film (3)
- MUS107 - Introduction to the American Musical Theatre (3)
- MUS108 - Introduction to World Music (3)
- MUS109 - Musicianship I: Music Fundamentals (3)
- POL250 - Introduction International Relations (3)
- POL252 - Introduction to Comparative Politics (3)
- RGS200 - Introduction to Religious Studies (3)
- RGS309 - Survey of World Religions (3)
- SOC269 - Popular Culture (3)
- SPA101 - Fundamental Communication in Spanish (3)
- SPA102 - Social Interactions in Spanish (3)
- SPA105 - Introduction to Hispanic Culture (3)
- SPA106 - Basic Spanish and Culture for Agriculture (3)
- SPA107 - Basic Spanish and Culture for Occupational Safety and Health (3)
- SPA108 - Basic Spanish and Culture for Healthcare Professionals (3)
- SPA110 - Basic Conversational Spanish (3)

- SPA201 - Intercultural Communications in Spanish (3)
- SPA202 - Practical Applications in Spanish (3)
- SPA210 - Intermediate Spanish Conversation (3)
- THD101 - Dance Appreciation (3)
- THD104 - The Theatrical Experience (3)
- THD118 - World Theatre (3)

Grand Total Credits: **3**

University Studies: Mathematics

Program Name

University Studies: Mathematics

Program Level

Undergraduate

Department

University Studies

College

University Studies

Specifically Required University Studies

- Completed at least 1 of the following:
  - HON262 - Honors Seminar in Mathematics (3)
  - MAT117 - Mathematical Concepts (3)
  - MAT130 - Technical Math I (5)
  - MAT140 - College Algebra (4)
  - MAT145 - Trigonometry (3)
  - MAT150 - Algebra and Trigonometry (5)
  - MAT220 - Business Calculus (3)
  - MAT230 - Technical Math II (5)
  - MAT250 - Calculus and Analytic Geometry I (5)
  - MAT308 - Calculus and Analytic Geometry II (5)
  - MAT309 - Calculus and Analytic Geometry III (4)
  - MAT330 - Technical Math III (3)
  - STA125 - Statistical Reasoning (3)
  - STA135 - Introduction to Probability and Statistics (4)
  - STA265 - Methods of Statistics and Data Science (3)

Grand Total Credits: **3 - 5**

University Studies: Oral and Written Communication

Program Name

University Studies: Oral and Written Communication

Program Level

Undergraduate

Department

University Studies

College

University Studies

Program Requirements

- Completed at least 1 of the following:
  - CHN101 - Elementary Chinese I (3)
  - CHN102 - Elementary Chinese II (3)
  - CHN201 - Intermediate Chinese I (3)
  - CHN202 - Intermediate Chinese II (3)
  - COM131 - Introduction to Interpersonal Communication (3)
  - COM161 - Introduction to Public Speaking (3)
  - COM260 - Communication Ethics (3)
  - ENG105 - Critical Reading, Writing, and Inquiry (4)
  - ENG150 - Honors Rhetoric, Composition and Research (4)
  - ENG204 - Advanced Expository Writing (3)
  - ENG205 - Writing for the Social Sciences (3)
  - ENG214 - Introduction to Creative Writing (3)
  - ENG224 - Writing in the Professions (3)
  - FRE101 - Fundamental Communication in French (3)
  - FRE102 - Social Interactions in French (3)
  - FRE110 - Basic Conversational French (3)
  - FRE201 - Intercultural Communications in French (3)
  - FRE202 - Practical Applications in French (3)
  - FRE210 - Intermediate French Conversation (3)
  - GER101 - Fundamental Communication in German (3)
  - GER102 - Social Interactions in German (3)
  - GER110 - Basic Conversational German (3)
  - GER201 - Intercultural Communications in German (3)
  - GER202 - Practical Applications in German (3)
  - GER210 - Intermediate Conversational German (3)
  - HON165 - Honors Seminar in Communication (3)
  - JPN101 - Elementary Japanese I (3)
  - JPN102 - Elementary Japanese II (3)
  - JPN110 - Basic Conversational Japanese (3)
  - JPN201 - Intermediate Japanese I (3)
  - JPN202 - Intermediate Japanese II (3)
  - JPN210 - Intermediate Conversational Japan (3)
  - SPA101 - Fundamental Communication in Spanish (3)
  - SPA102 - Social Interactions in Spanish (3)
  - SPA110 - Basic Conversational Spanish (3)
  - SPA201 - Intercultural Communications in Spanish (3)
  - SPA202 - Practical Applications in Spanish (3)
  - SPA210 - Intermediate Spanish Conversation (3)

Grand Total Credits: **3 - 4**

University Studies: Science

Program Name

University Studies: Science

Program Level

Undergraduate

Department

University Studies

College

University Studies

Program Requirements

- Completed at least 1 of the following:
  - AST115 - Introductory Astronomy (3)
  - AST116 - Introductory Astronomy Laboratory (1)
  - BIO101 - Biological Concepts (4)
  - BIO102 - Introductory Biology (3)
  - BIO109 - Biology of Cancer (3)
  - BIO216 - Biological Inquiry and Analysis (4)
  - BIO221 - Zoology: Animal Form and Function (4)
  - BIO222 - Botany: Plant Form and Function (4)
  - CHE101 - Consumer Chemistry (4)
  - CHE105 - Introductory Chemistry (4)
  - CHE111 - Essentials of Chemistry and Biochemistry (5)
  - CHE201 - General College Chemistry (5)
  - CHE202 - General Chemistry and Qualitative Analysis (5)
  - CHE210 - Brief Organic Chemistry (3)
  - CHE215 - Brief Organic Chemistry Laboratory (1)
  - EES101 - The Earth and the Environment (4)
  - EES102 - Earth Through Time (4)
  - EES125 - Weather and Climate (4)
  - EES199 - Earth Science (4)
  - PHY105 - The Science of Sound (4)
  - PHY125 - Brief Introductory Physics (4)
  - PHY126 - Brief Introductory Physics Laboratory (1)
  - PHY130 - General Physics I (3)
  - PHY131 - General Physics I Laboratory (1)
  - PHY132 - General Physics II (3)
  - PHY133 - General Physics II Laboratory (1)
  - PHY235 - Mechanics, Heat and Wave Motion (4)
  - PHY236 - Mechanics, Heat and Wave Motion Laboratory (1)
  - PHY255 - Electricity, Magnetism and Light (4)
  - PHY256 - Electricity, Magnetism and Light Laboratory (1)

Grand Total Credits: **1 - 5**

University Studies: Social Science

Program Name

University Studies: Social Science

Program Level

Undergraduate

Department

University Studies

College

University Studies

Program Requirements

- Completed at least 1 of the following:
  - AGR199 - Contemporary Issues in Agriculture (3)
  - ECO140 - Contemporary Economics (3)
  - ECO190 - Consumer Economics (3)
  - ECO230 - Macroeconomics (3)
  - ECO231 - Microeconomics (3)
  - EDP260 - Psychology of Human Development (3)
  - FIN230 - Personal Financial Planning (3)
  - GDS201 - Introduction to Gender and Diversity Studies (3)
  - HON133 - Honors Seminar in Sociology (3)
  - HON180 - Honors Seminar in Psychology (3)
  - HON232 - Honors Seminar in Economics (3)
  - HON270 - Honors Seminar in International Relations (3)
  - POL250 - Introduction International Relations (3)
  - PSY180 - General Psychology (3)
  - SOC133 - Introduction to Sociology (3)
  - SOC231 - Social Problems (3)

Grand Total Credits: **3**

University Studies: World's Historical, Literary, and Philosophical Traditions

Program Name

University Studies: World's Historical, Literary, and Philosophical Traditions

Program Level

Undergraduate

Department

University Studies

College

University Studies

Program Requirements

- Completed at least 1 of the following:
  - ART211 - A Survey of Art from Antiquity to the Baroque (3)
  - ART212 - A Survey of Art from the Enlightenment to the Present (3)
  - ART213 - Art of Global Cultures (3)
  - CHN305 - Understanding China: Traditions and Trends (3)
  - CIV201 - World Civilizations I (3)
  - CIV202 - World Civilizations II (3)
  - ENG201 - Introduction to Literature (3)
  - ENG213 - Film and Literature (3)
  - ENG243 - Literary Masterpieces: Fantasy, Myth and Legend (3)
  - HIS201 - Making of Europe, 1500 to the Present (3)
  - HIS221 - American Experience to 1865 (3)
  - HIS222 - American Experience Since 1865 (3)
  - HIS309 - Survey of World Religions (3)
  - HON109 - Interdisciplinary Humanities and Fine Arts (3)
  - HON201 - Honors Seminar in World History I (3)
  - HON202 - Honors Seminar in World History II (3)
  - HON212 - Honors Seminar in Ethics (3)
  - HON251 - Honors Seminar in Literature and Philosophy I (3)
  - HON252 - Honors Seminar in Literature and Philosophy II (3)
  - HUM205 - The Humanistic Tradition Abroad (3)
  - HUM211 - The Humanities Tradition (3)
  - PHI103 - Critical Thinking (3)
  - PHI142 - Philosophy-The Big Questions (3)
  - PHI201 - Introduction to Philosophy (3)
  - PHI202 - Ethics (3)
  - PHI221 - Philosophy of Religion (3)
  - PHI357 - Feminist Philosophy (3)
  - POL261 - Introduction to Political Theory (3)
  - RGS200 - Introduction to Religious Studies (3)
  - RGS309 - Survey of World Religions (3)
  - SPA107 - Basic Spanish and Culture for Occupational Safety and Health (3)
  - SPA108 - Basic Spanish and Culture for Healthcare Professionals (3)
  - THD118 - World Theatre (3)

Grand Total Credits: **3**

University Studies: Writing-Intensive and Technology-Intensive Electives

Program Name

University Studies: Writing-Intensive and Technology-Intensive Electives

Program Level

Undergraduate

Department

University Studies

College

University Studies

Program Requirements

- Completed at least 1 of the following:
  - CSC101 - Introduction to Problem Solving Using Computers (3)
  - CSC125 - Internet and Web Page Design (3)
  - CSC199 - Introduction to Information Technology (3)

Grand Total Credits: **3**

Courses

ACC: Accounting

ACC100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic success; and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Accounting

ACC200 - Principles of Financial Accounting
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the basic concepts and techniques of financial accounting, including the accounting cycle and the communication of financial information to external users. The course focuses on the nature and measurement of assets, liabilities, equities, dividends, revenues, and expenses. Emphasis is placed on the proper preparation and understanding of the financial statements.

Prerequisites

Sophomore standing (ACC majors may be second semester freshmen).

DEPARTMENT:

Accounting

ACC201 - Principles of Managerial Accounting
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The application of accounting to business management with emphasis on planning, control of operations, and decision-making, including study of cost behavior; the use of cost data in job order, process and standard cost systems; the application of differential analysis to decision making; the use of overhead allocation methods; the preparation and interpretation of budgets; and the study of pricing methods. The course also introduces topics such as the statement of cash flows and financial statement analysis.

Prerequisites

ACC 200 (ACC students must have a grade of B or higher in ACC 200)

Corequisites

ACC 202 (Students enrolled in accounting programs)

DEPARTMENT:

Accounting

ACC202 - Accounting Applications Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A study of basic accounting applications with emphasis on the use of spreadsheets in analyzing and solving accounting problems and making business decisions. The course focuses on the process of building models for generating and evaluating accounting information. Specific accounting applications include depreciation schedules, revenue and expense distribution analysis, inventory management and profit maximization.

Prerequisites

ACC 200 and CSC 199

Corequisites

ACC 201

DEPARTMENT:

Accounting

ACC300 - Intermediate Accounting I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A review of the fundamental processes of accounting; the measurement of financial position and periodic revenues and expenses; and an introduction to selected, more advanced accounting issues. Some of the topics studied include standard setting processes; the accounting cycle; the income statement and balance sheet; cash and receivables; inventories; acquisition and disposition of property, plant and equipment; depreciation and depletion; intangible assets; and liabilities and contingencies.

Prerequisites

Junior standing; ACC 200, ACC 201 and ACC 202 with a minimum grade of B in each

DEPARTMENT:

Accounting

ACC301 - Intermediate Accounting II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Intensive study of the theory and methods of financial accounting with a focus on the impact of business transactions on financial reporting. Some of the course topics include liabilities, stockholders equity, dilutive securities, investments, revenue recognition, income tax allocation, pensions and post-retirement benefits, leases, accounting changes and error analysis, and cash flows.

Prerequisites

Junior standing; ACC 300 with a minimum grade of C

DEPARTMENT:

Accounting

ACC302 - Federal Income Tax
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Federal income tax fundamentals under the latest amendments to the Internal Revenue Code; rates, credits; inclusions in and exclusions from gross income; recognition of and basis for gain or loss; capital gains and losses; dividends; deductions; with emphasis on individual income tax returns.

Prerequisites

Junior standing; ACC 200 and 201 with a minimum grade of B in each

DEPARTMENT:

Accounting

ACC303 - Cost Accounting
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The study of financial and nonfinancial accounting information for strategic and operational decision making. Topics include traditional and contemporary product/service costing; planning; control; performance measurement; and nonroutine managerial decisions.

Prerequisites

Junior standing; ACC 200, ACC 201, and ACC 202 with a minimum grade of B in each

DEPARTMENT:

Accounting

ACC307 - Forensic Accounting and Fraud Examination
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is an introduction to forensic accounting, with an emphasis on fraud examination. The course covers the principles of forensic accounting, fraud detection, and fraud deterrence. Students will explore how and why fraud occurs in organizations, learn how to detect and deter fraud, and how to investigate fraud allegations. The major fraud techniques are covered, and students will acquire skills that can be used in different professions such as accounting, finance, management, criminal justice, law, and psychology.

Prerequisites

ACC 200

DEPARTMENT:

Accounting

ACC308 - Accounting Information Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course emphasizes the principles of accounting systems design, development, implementation, and maintenance. Topics include: types of computerized accounting systems and transaction processes, fundamental networking and telecommunications approaches, security and internal control concepts, data modeling and normalization theory, and CAATTs (Computer Assisted Audit Tools and Techniques). Students use a database management system to create database objects for the assignments required in this class. A student may receive credit for one of the following courses: ACC 308, BPA 355 or CIS 307.

Prerequisites

Junior standing; ACC 200, ACC 201 and ACC 202 with a minimum grade of B in each; and CSC 199

DEPARTMENT:

Accounting

ACC488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Accounting

ACC489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of chair

DEPARTMENT:

Accounting

ACC490 - Survey of Accounting
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed for graduate students who have an inadequate background in accounting. Covers the same material covered in ACC 200 and 201 or the equivalent. Not open to students who have credit for ACC 200 and 201 or the equivalent.

DEPARTMENT:

Accounting

ACC500 - Advanced Accounting
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A comprehensive examination of some of the most complex accounting problems including consolidated financial statements, partnerships, foreign subsidiaries, estates and trusts, and consignment and installment sales.

Prerequisites

ACC 301

DEPARTMENT:

Accounting

ACC501 - Accounting for Governmental and Nonprofit Entities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Accounting and reporting principles, standards and procedures applicable to (1) state and local governments, including counties, cities, townships and villages; (2) the federal government; and (3) other not-for-profit institutions such as universities and hospitals.

Prerequisites

ACC 300

DEPARTMENT:

Accounting

ACC502 - Advanced Income Tax
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continued study of the Internal Revenue Code and Regulations with emphasis on the advanced aspects of income; deductions, exclusions and credits, especially as they are related to the tax issues of individuals, corporations, and partnerships.

Prerequisites

ACC 302

DEPARTMENT:

Accounting

ACC503 - Cost Management in the Global Economy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A decision-based approach to the study of selected cost management topics that enable managers to compete globally. Topics include strategic cost management, activity-based management, the balance scorecard, quality cost management, capital investment decisions, and inventory management. A business simulation requires the application of cost management information in product costing, planning, control, performance evaluation, and decision making.

Prerequisites

ACC 303

DEPARTMENT:

Accounting

ACC506 - Principles of Auditing and Assurance Services
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to internal and external auditing and audit-related services. The nature and purposes of audit, attestation, assurance and compilation services are studied. Other topics include: reporting, professional ethics, sampling, auditing for fraud, audit evidence, engagement planning, materiality and risk assessment, internal control, and operational audits.

Prerequisites

ACC 301 and 308

DEPARTMENT:

Accounting

ACC507 - Professional Issues
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Study of contemporary issues in accounting. Topics include professional certifications, emerging practices, career preparation, and professional development. Restricted to accounting area students. Graded pass/fail.

Prerequisites

ACC 301

DEPARTMENT:

Accounting

ACC509 - Accounting Theory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed as a critical examination of relevant AICPA literature, especially Accounting Research Bulletins, Accounting Principles Board's Opinions and Statements, and the Financial Accounting Standards Board's Statements. Contemporary developments are examined in the accounting literature and through reports.

Prerequisites

ACC 301

DEPARTMENT:

Accounting

ACC516 - Auditing Theory and Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Emphasizes independent auditing services that CPAs provide. Engagement planning and documentation, internal control, evidence accumulation for major categories of processes and accounts, reporting, statistical sampling, and audits of computer-based systems are the major topics.

Prerequisites

ACC 506

DEPARTMENT:

Accounting

ACC586 - International Experience in Accounting
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A short-term study abroad program highlighting selected historical and modern contributions to accounting and business from another country and culture. Course will also meet weekly during the semester. Graded pass/fail.

Prerequisites

Permission of instructor

DEPARTMENT:

Accounting

ACC595 - Special Problems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Research by students in fields of special interests. Includes project research studies and intensive reading programs, accompanied by conferences with professors in fields involved.

Prerequisites

Permission of instructor

DEPARTMENT:

Accounting

ACC600 - Advanced Accounting
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A comprehensive examination of some of the most complex accounting problems including consolidated financial statements, partnerships, foreign subsidiaries, estates and trusts, and consignment and installment sales.

Prerequisites

ACC 301

DEPARTMENT:

Accounting

ACC601 - Accounting for Governmental and Nonprofit Entities
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Accounting and reporting principles, standards and procedures applicable to (1) state and local governments, including counties, cities, townships and villages; (2) the federal government; and (3) other not-for-profit institutions such as universities and hospitals.

Prerequisites

ACC 300

DEPARTMENT:

Accounting

ACC603 - Cost Management in the Global Economy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A decision-based approach to the study of selected cost management topics that enable managers to compete globally. Topics include strategic cost management, activity-based management, the balance scorecard, quality cost management, capital investment decisions, and inventory management. A business simulation requires the application of cost management information in product costing, planning, control, performance evaluation, and decision making.

Prerequisites

ACC 303

DEPARTMENT:

Accounting

ACC604 - Accounting for Decision Making
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth study of management accounting techniques and methods needed for effective management of business enterprises. The trade-offs management makes in acquiring and using accounting information for decision-making and control are discussed. Specific topics include cost behavior and estimation, short-term decision making, budgeting, performance evaluation, cost allocation, and product costing.

Prerequisites

ACC 200

DEPARTMENT:

Accounting

ACC605 - Corporate Governance and Accounting Ethics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course involves a dual study of corporate governance and accounting ethics. The course focuses on corporate governance practices in general, with particular emphasis on: (1) the responsibilities of and relationships among a company's board of directors, management and shareholders; (2) corporate and capital structures; and (3) corporate changes. This course also involves a study of the legal and ethical environment of the accounting profession.

DEPARTMENT:

Accounting

ACC606 - Auditing Theory and Practice
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Emphasizes independent auditing services that CPAs provide. Engagement planning and documentation, internal control, evidence accumulation for major categories of processes and accounts, reporting, statistical sampling, and audits of computer-based systems are the major topics.

Prerequisites

ACC 506

DEPARTMENT:

Accounting

ACC607 - Forensic Accounting
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course covers the principles accounting, fraud detection, and fraud deterrence. Students will explore how and why fraud occurs in organizations, learn how to detect and deter fraud, and how to investigate fraud allegations. In addition, the course will cover a variety of disciplines in the field of forensic accounting such as cybercrime, money laundering, litigation services, valuations, and economic damages calculations.

Prerequisites

ACC 200

DEPARTMENT:

Accounting

ACC608 - Accounting Information Technologies
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course emphasizes advanced coverage of accounting information systems topics, provides real-world simulation of the use of data extraction and analysis technology for assurance services and fraud detection, and requires individual research projects that result in formal papers and presentations. A significant component of this course includes skill development in the use of CAATTs (Computer Assisted Audit Tools and Techniques).

Prerequisites

ACC 308 and 506

DEPARTMENT:

Accounting

ACC609 - Issues in Corporate Financial Reporting
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An examination of corporate financial reporting issues including the application of accounting techniques and theory under generally accepted accounting principles (GAAP) to financial reports of large companies. In addition to covering traditional financial reporting issues, the course also emphasizes financial reporting issues related to initial public offerings, mergers and acquisitions, environmental contingencies, international accounting standards, and other contemporary topics.

Prerequisites

ACC 300 and 301

DEPARTMENT:

Accounting

ACC610 - International Accounting
CREDITS:

3

COURSE LEVEL:

Graduate

Description

International accounting examines accounting issues unique to multinational enterprises and international business activity. Specific course topics include International Financial Reporting Standards (IFRS); auditing the global firm; financial reporting outside the United States; international financial disclosure issues such as segmental, social, and environmental; accounting harmonization; ethics; taxation; foreign exchange; and cultural issues.

Prerequisites

ACC 301

DEPARTMENT:

Accounting

ACC612 - Tax Planning and Research
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The study of tax research methodology. Emphasis is placed on the sources of tax law and their relationship to tax research. Administrative tax procedures and principles of tax planning as related to tax research are explored and evaluated.

Prerequisites

ACC 302

DEPARTMENT:

Accounting

ACC644 - Graduate Cooperative Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

May be repeated to a maximum of six credits. Cannot be used to meet MBA, MPA or MS degree requirements. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Accounting

ACC695 - Special Problems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Entails research by graduate students in fields of special interests. Includes specialized research projects and intensive reading assignments that are accompanied by conferences with professors in the fields involved. May be repeated for a total of 6 credit hours.

Prerequisites

12 hours of graduate credit in business and permission of instructor

DEPARTMENT:

Accounting

ADE: Center for Adult and Regional Education

ADE199 - Workshop in Adult Education
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

This course covers workshops conducted for paraprofessionals, persons employed by local school districts to visit home-bound adult students. Accumulated workshop credits are not allowed to exceed six credit hours.

DEPARTMENT:

Center for Adult and Regional Education (CARE)

ADE652 - Education for Disadvantaged Adults
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The motivation, experiences and uniqueness of adult basic education students are considered. Practical and theoretical bases for creative learning programs are stressed.

DEPARTMENT:

Center for Adult and Regional Education (CARE)

ADE653 - Adult Program Curriculum
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Designed to help teachers and administrators select and develop appropriate adult programs that meet the needs of the adult learner. Appropriate methods and materials needed to support specified adult programs will be examined and/or developed.

DEPARTMENT:

Center for Adult and Regional Education (CARE)

ADE655 - The Community Education Center
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An examination of models of community education based on relationships of community education to the K-12 curriculum in schools and to other agencies within a community.

DEPARTMENT:

Center for Adult and Regional Education (CARE)

ADE668 - Practicum in Adult Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Closely supervised instruction in an adult learning center and in adult evening classes. Practicum consists of helping adults learn through a systematic approach of individualized instruction.

DEPARTMENT:

Center for Adult and Regional Education (CARE)

ADE669 - Practicum in Adult Education Administration
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Closely supervised instruction in adult education program to include visitation to class sites, evaluation committee meetings, and attendance at teacher and paraprofessional pre-service and in-service training sessions.

DEPARTMENT:

Center for Adult and Regional Education (CARE)

ADM: Administration and Supervision

ADM600 - Introduction to Educational Leadership
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This introductory course examines the theoretical concepts and organizational patterns of governance and management of schools within the social and philosophical structure of our culture. Field research project required. Note: Recommended initial course in school administration.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM601 - School Leadership, Culture, and Community
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course examines school leader effectiveness from a variety of perspectives, with emphasis on the roles of the school principal in the development of a school culture and as a community leader. Field-experience required.

Prerequisites

Admission to program

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM602 - Socio-Political Dimensions of School Leadership
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course provides students with an understanding of the formal and informal socio-political structure within a school-community, as well as strategies for communicating with the public, and collaborating with community stakeholders. A school problem is identified and investigated through collaborative processes. Field experience required.

Prerequisites

Admission to program

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM611 - Instructional Leadership and Coaching
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is a study of the supervisory functions associated with curriculum and program evaluation. In addition, instructional coaching and other strategies for leading program and curricular change to increase achievement will be stressed.

Prerequisites

Admission to program

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM612 - Development of School Personnel
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course focuses candidates on research and best practices as related to formal induction, mentoring, professional development and supervision/evaluation of staff. Skills related to the supervision/evaluation of staff are modeled. Models of instructional leadership and faculty supervision are explored. Approaches to instructional coaching are modeled and evaluation.

Prerequisites

Admission to program

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM627 - School Law and Finance for Teachers
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

-

Description

A study of the laws and finance pertaining to the teachers as they work with students, administrators, colleagues, and community interest groups.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM630 - Methods of Research
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of procedures used to locate sources of information, organize and interpret collected data, and apply results of published research. Various research methods are studied and used.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM631 - Organization and Operation of Schools
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will develop competencies and skills in the management of financial and personnel processes and structuring of the school to increase achievement. The principal's role as related to the site-based council policies and processes are emphasized.

Prerequisites

Admission to the program

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM644 - Survey of Research in Effective Schools
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A survey of research in the school as it pertains to effective teaching, learning, and leadership.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM645 - Educational Resources Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A survey of resources available to a public institution to support the mission of the institution and related programs. This is a general overview of public finance, site-based budgeting techniques, linking of resources to programs based on data and accountability. Identification and reallocation of resources will be tied to the learning mission of the unit. Resources other than financial will be included and special emphasis will be given to human resources including personnel and site-based councils.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM650 - Clinical Supervision
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of clinical supervision principles and practices for the aspiring supervisor or principal. Topics include the nature and functions of supervision, strategies for use in supervision and the coaching nature of supervision as well as skills in observing and analyzing along with in-service programs and staff development. Field research project required.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM655 - Curriculum Program Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the supervisory functions dealing with curricular and program evaluation and analysis and techniques for bringing about program and curric-ular change and improvement within the local school system. Field research project required.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM656 - School Improvement Processes for Teachers
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides educational leaders with an overview of the processes and tools for school improvement, including the standards and indicators of school improvement, professional learning communities, school improvement planning, standards for professional development, and the role of school-based decision-making in school improvement.

Prerequisites

Admission to the graduate program

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM657 - Educational Policy and Ethics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course explores policy development at the local, state, and federal levels as related to school improvement, social justice and the ethical dimensions of leadership. Contemporary issues of educational policy and ethics at the local, state, and national levels will be highlighted in the course.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM663 - School Law
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the legal aspects of education. Critical legal content from constitutional law, court decisions, state statutes, state administrative regulations, attorney general opinions, and local school district policies will be covered. Note: Course may be taken as an elective by a person not pursuing an administrative certificate.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM664 - School Principal
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of modern administrative theories, processes and techniques applicable to the school, grades P-12. The emphasis is on the principal's role as the instructional leader engaged in needs assessment, collection and use of data, formulation of educational goals, design and implementation of improvement strategies. Field research project required.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM665 - District-wide Instructional Supervisor
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The purpose of this course is to provide an overview of the role of Instructional Supervisor. Topics will include developing and supporting rigorous and coherent systems of curriculum, instruction and assessment; developing the professional capacity and practice of school personnel; and fostering a professional community of teachers and other professional staff to promote academic success.

Prerequisites

Admission to Masters in Education Administration

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM667 - Pupil Personnel Accounting
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The specific procedures in pupil accounting which are the responsibility of the director of pupil personnel. A study of systematized records management including some attention to machine data processing. Field research project required.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM668 - Practicum/Seminar in Educational Leadership
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Managed field practicum experience where the student works with a building principal to develop depth of experience in areas of responsibility such as scheduling , professional development, school improvement planning, etc. At intervals, students will be convened to share and gain a broader perspective on their experiences. This course is recommended to be taken last, but may be in the last nine hours. Repeatable to six hours of credit.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM669 - Seminar in School Administration
CREDITS:

3

COURSE LEVEL:

Graduate

Description

For advanced graduate students in school administration. Deals with current problems and issues and stresses independent investigation.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM670 - Topics in Educational Technology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Critical aspects of the management and administration of educational technology will be addressed. Topics covered may include administration and instruction, school and classroom management, networking, distance learning, statistical reporting, pupil scheduling, information retrieval systems, and technology policy issues.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM671 - Principal Internship I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course prepares school leaders to engage stakeholders in the strategic dialogue regarding the vision and mission of the organization, and the allocation of resources and decision-making authority accordingly. Field experience required.

Prerequisites

Admission to program

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM672 - Legal and Ethical Issues in Schools
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course addresses critical aspects of the legal system as related to school issues. Ethical dimensions of the role are explored.

Prerequisites

Admission to program

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM674 - Directed Study in School Administration
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Designed for advanced graduate students who want to do in-depth research on special problems. Requires advanced study and analysis of literature and preparation of substantial research documents. May be repeated for up to six hours of credit.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM675 - Introduction to Alternative Education Settings
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course serves as an overview to effective teaching and administrative practice in the alternative education settings. Students enrolled in the course must maintain a portfolio of course assignments and documentation of field experiences for evaluation for university credit. Field hours are required.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM676 - Principal Internship II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will develop competencies and skills in the allocation of resources and structuring of the organization to improve student learning within the context of best practices and related Kentucky statute and regulation. Field experience required.

Prerequisites

Admission to program

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM677 - Crisis Management in Educational Settings
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The content of this course provides educators with the skills and information to analyze safety data, plan for both school safety interventions and procedures and to manage crises in an educational setting. Field hours are required.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM678 - School Safety Assessment
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course develops competencies in the assessment of threats to student and faculty safety. Students will utilize research-based resources to assess individual threats due to violence, as well as environmental scans of threats due to poorly planned or maintained facilities. Field experience required.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM679 - Current Topics in School Safety
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course develops depth of understanding of safety-related issues that impact safety in schools. This is the capstone course for the School Safety Endorsement. Field experience required.

Prerequisites

Permission of instructor

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM681 - Instructional Leadership for Diverse Learners
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course addresses issues surrounding the needs of students and families from diverse backgrounds and of diverse abilities. Cultural proficient leadership practices, an understanding developmentally appropriate instructional practices, and school organization as related to students with disabilities and gifted/talented students is addressed.

Prerequisites

Admission to program

Corequisites

ADM 682

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM682 - Principal Internship III
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This practicum is taken concurrent with ADM 681 and provides students with opportunities to implement and evaluate interventions for diverse learners, as well as support for the completion of the capstone project. Field experience required.

Prerequisites

Admission to program

Corequisites

ADM 681

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM690 - Roles & Functions of the Central Office
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth study of the coordination and oversight of the following central office functions: state/federal grant resources, state/ federal assessment programs, district technology, and state/ federal personnel reporting. Transportation, food service, and facilities maintenance will be addressed more generally. The roles of the instructional supervisor, Director of Pupil Personnel, District Assessment Coordinator, Director of Special Education and other central office support positions will be emphasized.

Prerequisites

Admission to graduate program

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM691 - Leadership Institute Seminar
CREDITS:

0

COURSE LEVEL:

Graduate

Description

This course is for school administration candidates in partnering districts participating in the Institute for School Leadership Development. Candidates will explore strategies to use with diverse learners, lead school improvement initiatives, and engage in authentic district experiences to develop the skills and knowledge to be effective school leaders. Graded pass/fail.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM700 - World Class Teaching and Learning
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The purpose of this course is to develop an understanding of world-class expectations for teaching and learning and to develop the skills and abilities of school leaders to lead efforts to respond to these expectations. This course is designed to support participants in the Executive Development Program for School Leaders in association with the National Institute for School Leadership. Graded pass/fail.

Prerequisites

Permission of instructor

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM720 - Advanced School Personnel Evaluation
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study and application of appropriate techniques used to evaluate the act of teaching. All ethical and legal aspects along with a sustained articulation methods, personnel records, and necessary personal skills will be covered. Study will exceed state and local evaluation systems and requirements.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM723 - Advanced School Program Evaluation
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study and application of appropriate techniques used to evaluate methods, programs, and strategies used in public elementary and secondary education. All legal and ethical aspects along with an accurate assessment of the results of school programs will be covered. Study will include the relationship of goals, objectives, and activities related to the learning outcomes. Extensive data will be collected, organized, analyzed and presented as a measurement of program effectiveness.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM725 - Advanced Methods of Quantitative Research in Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of quantitative research methods and statistics used in educational studies. Preparation for quantitative research and conducting an abbreviated inquiry, collecting and analyzing data as well as improving professional writing skills are the focus of this class.

Prerequisites

ADM 630 or comparable research course

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM730 - Advanced Educational Research
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The knowledge and skill necessary to conduct educational research at an advanced level. Preparation to conduct research at the doctoral level is emphasized.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM735 - Institutional Research, Assessment and Accreditation
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides an overview of best practices of institutional research. Additionally, students have the opportunity to develop strategies to investigate relevant trends or problems within an institution. Field experience required.

Prerequisites

ADM 630

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM739 - Roles and Responsibilities of the School Superintendent
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The role of the school district superintendent is analyzed with reference to job responsibilities of the position, and knowledge, skill, and dispositions necessary to serve successfully in the position. Field experience required.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM740 - Instructional Improvement and Mentoring
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

TLE740 - Instructional Improvement and Mentoring

Description

The purpose of this course is to develop mentoring strategies appropriate to assist new educators in the transition to teaching and to improve their instructional practice. This course is designed to support teachers and administrators engaged in mentoring, including, but not limited to, student teacher supervision, the Kentucky Principal Internship Program, and the Kentucky Teacher Internship Program. Graded pass/fail.

Prerequisites

Permission of instructor

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM745 - Trends and Innovations in P-20 Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The purpose of this course is to investigate contemporary issues impacting P-20 education. Current trends and innovations are critical themes for educational leaders to explore. Special topics explored in this course may include globalization, advances in technology and learning, college and career readiness initiatives, workforce development programs and best practices of P-20 initiatives.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM749 - School District Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course focuses on school system operations including financial management and policy, administration of auxiliary services, human resources planning and management, federal and state programs, facilities planning and management, school safety and governance support. Field experience required.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM750 - Philanthropy and Community Engagement: Institutional Advancement in Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The purpose of this course is to refine the knowledge, skills, and dispositions needed to plan and execute innovative approaches to advance the educational institution's mission by increasing private and public financial support, promoting awareness of the institution to key publics, and involving constituents in the life of the institution. In this era of declining publicly appropriated funds for education at all levels, the role of outside private funds from alumni, friends, corporations, foundations, and other key community stakeholders is growing and increasingly important. Institutional advancement focuses on attracting and generating private support through the identification, research, cultivation, asking, closing, and stewardship of donors and private gifts.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM751 - Sustaining Transformation through Capacity and Commitment
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The purpose of this course is to develop leadership strategies for transforming the school organization to support world-class teaching and learning. This course is designed to support participants in the Executive Development Program for School Leaders in association with the National Institute for School Leadership. Graded pass/fail.

Prerequisites

Permission of instructor

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM755 - The Role of Community Partnerships and Outreach in Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The course is designed to equip innovative educational leaders with key strategies for developing partnerships among private and public sector organizations for the purposes of assessing and improving the educational climate and the community as a whole. Students explore strategies that mobilize and leverage community support services and incorporate diverse community perspectives. Topics include collaborative leadership, coalition development, developing a constituency/partnership, and the role of an educational leader as an advocate.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM759 - Instructional Planning in Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course examines the planning processes used by leaders to direct educational change and instructional improvement. Field experience required.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM760 - Executive Leadership
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course offers an in-depth examination of factors that contribute to innovative executive leadership practice in a wide variety of educational and organizational settings. Topics in this course include authentic leadership presence, sustainability and leadership, strategic leadership, resiliency strategies and factors of life/work integration. In addition, attention will be placed on common challenges of executive-level leadership.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM779 - Superintendency Capstone
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

The roles and responsibilities of the school district superintendent are explored with emphasis on change and instructional improvement. This is the capstone course. Field experience required.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM798 - Specialty Study
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to enable the student, with the supervision of his/her graduate faculty committee, to select a problem directly related to the student's area of concentration, survey the research literature, collect and analyze research data and prepare the research paper.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM799 - Specialty Study
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Continuation of ADM 798.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM800 - Seminar in Individual Leadership Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is designed as a professional leadership development seminar that operationalizes key elements of the doctoral program including program philosophy, signature pedagogy, and expectations of doctoral students. Additionally, the course focuses on individual leadership development and professional growth strategies for educational leaders.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM810 - Leadership and Ethics in a Diverse Society
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The moral and ethical dimensions of leadership and diversity are the focus of this course. This course is designed to prepare educational leaders to meet the challenges of diversity and rapid societal change within P-20 organizations and learning communities. Techniques, tools and strategies that support ethical leadership and decision-making in the context of P-20 organizations will be examined.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM820 - Foundations of P-20 Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course examines the P-20 reform movement from a historical, philosophical, social, and economic perspective with emphasis on the practical manifestations in the current policy environment.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM830 - Development of P-20 Learners
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course examines the characteristics and needs of today's learners from early childhood to adulthood and the congruence of the current instructional systems and strategies in meeting learners' needs. The similarity of current and emerging practices at all levels of P-20 education will be examined from a developmental perspective.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM900 - Clinical Practice: P-20 Leadership
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This clinical experience offers intensive, field-based experience for P-20 and community leaders. Students become immersed in the field of leadership practice where they have the opportunity to study effective leadership practices first-hand, be mentored by exceptional practitioners, and practice field-based problem solving. Students develop leadership abilities, administrative competencies and executive-level management skills. Field experience required. Alternatively, prior field experience may be considered on a case-by-case basis, wherein documentation (e.g. a professional portfolio) may be assessed for course credit.

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM910 - Clinical Practice II: P-20 Learner
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course applies teaching and learning theories to practice through the design and alignment of learning outcomes, assessments, and teaching methods at the college level. The clinical instructional experience provides P-20 educational and community leaders an opportunity to explore issues related to P-20 instruction. Field experience required. Alternatively, prior field experience may be considered on a case-by-case basis, wherein documentation (e.g. a professional portfolio) may be assessed for course credit.

Prerequisites

Permission of instructor

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM915 - Research Inquiry and Design
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to familiarize students with the academic expectations and requirements for the doctoral dissertation, defining the scope and bounds of the study and making significant progress toward the completion of Chapter II: Literature Review. This course may be repeated for a total of six (6) hours. Graded pass/fail.

Prerequisites

Passing all sections of the comprehensive exam

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM920 - Dissertation Seminar I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is designed to familiarize students with the academic expectations and requirements for the doctoral dissertation, improve inquiry skills, and make significant progress toward successful completion of the dissertation. This course may be repeated for a total of six hours. Graded pass/fail.

Prerequisites

ADM Candidacy status in the Ed.D. Program and a Pass grade in ADM 915

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM930 - Dissertation Seminar II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to familiarize students with the Findings and Analysis chapter of the dissertation and engage students in formulating a scholarly article. This course may be repeated for a total of nine (9) hours. Graded pass/fail.

Prerequisites

Pass grade in ADM 920 and completed oral proposal

DEPARTMENT:

Educational Studies, Leadership and Counseling

ADM940 - Dissertation Seminar III
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

The course is designed to serve as the culminating course of the doctoral program. Students will complete the Conclusions and Discussion chapter of their study and engage in an oral defense of the full dissertation manuscript. This course may be repeated for a total of nine (9) hours. Graded Pass/Fail.

Prerequisites

Pass grade in ADM 930

DEPARTMENT:

Educational Studies, Leadership and Counseling

AED: Agricultural Education

AED104 - Ag Education, Leadership and Life Knowledge
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An elective course for high school students interested in pursuing a career in agriculture education which will serve as a bridge class between high school and collegiate level teacher education courses. The course will include an exploration of the professional qualities and expectations of the teacher/educator. Roles, responsibilities, and challenges in the field of education, leadership, and Life Knowledge will be examined. Course will include a minimum of four full classroom observations for field experience.

Prerequisites

Permission of instructor

DEPARTMENT:

Agricultural Science

AED250 - Special Problems in Agricultural Education
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Individual study and projects in agricultural education requiring up to 25 hours of clinical and field experience. Graded pass/fail. Repeatable.

Prerequisites

Permission of Instructor

DEPARTMENT:

Agricultural Science

AED380 - Agricultural Education, Extension and Leadership
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Essential aspects and fundamentals of career preparation, entry, adjustment and advancement in agricultural education, extension, and youth leadership careers.

Prerequisites

Minimum of six earned credits in Agriculture or permission of instructor

DEPARTMENT:

Agricultural Science

AED421 - Student Teaching in Agricultural Education
CREDITS:

8

COURSE LEVEL:

Undergraduate

Description

The student teaches in a center selected by the university agricultural education staff and approved by the Kentucky Department of Education. Graded pass/fail. (Spring)

DEPARTMENT:

Agricultural Science

AED501 - Methods in Teaching Agricultural Education
CREDITS:

3 - 6

COURSE LEVEL:

Undergraduate

Description

Philosophy and objectives of teaching agricultural education in a comprehensive program. Course concepts include preparing and delivering lesson plans that involve problem-solving method, lecturing, and laboratory based modules. Additional methods include instruction in supervising occupational experience programs and coordinating FFA programs. Learning theory, multicultural education and education of the exceptional child are also included. Field and clinical experiences are also employed. May be repeated for a maximum of six hours credit.

Prerequisites

AED 380

DEPARTMENT:

Agricultural Science

AED582 - Supervision in Agricultural Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Application of principles and techniques of supervising individuals and groups in the field of agricultural education. (With sufficient demand)

DEPARTMENT:

Agricultural Science

AED593 - Practicum in Agricultural Education, Extension, and Public Service Leadership
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Comprehensive course including topics of instructional and operational methods for the discipline, extension field tours and mentoring experiences, supervised visits in an educational or public service setting or agency, and completion of practicum/professional clinical hours.

Prerequisites

AED 380 or six hours of discipline specific courses within agriculture

DEPARTMENT:

Agricultural Science

AED601 - Methods in Teaching Agricultural Education
CREDITS:

3 - 6

COURSE LEVEL:

Graduate

Description

Philosophy and objectives of teaching agricultural education in a comprehensive program. Course concepts include preparing and delivering lesson plans that involve problem-solving method, lecturing, and laboratory based modules. Additional methods include instruction in supervising occupational experience programs and coordinating FFA programs. Learning theory, multicultural education and education of the exceptional child are also included. Field and clinical experiences are also employed. May be repeated for a maximum of six hours credit.

Prerequisites

AED 380

DEPARTMENT:

Agricultural Science

AED680 - Research in Agricultural Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Advanced individual problems of special interest in the field of agricultural education. May be repeated once for a maximum of six hours. (Fall, Spring or Summer)

DEPARTMENT:

Agricultural Science

AED681 - Supervising Student Teachers in Agricultural Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Competencies needed by the local supervising teacher to develop effective techniques of working with student teachers in agricultural education. Orientation, communication, supervising and evaluating student teachers. (With sufficient demand)

DEPARTMENT:

Agricultural Science

AED682 - Instructional Design for Agricultural Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Developing and using four-year course of study for high school students in agricultural education. Includes gathering and interpreting local data as a basis for course building. (With sufficient demand)

DEPARTMENT:

Agricultural Science

AED683 - Instructional Material in Agricultural Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Selecting, procuring, developing and using instructional materials in the field of agricultural education. (With sufficient demand)

DEPARTMENT:

Agricultural Science

AED684 - Beginning Teacher Workshop
CREDITS:

1 - 2

COURSE LEVEL:

Graduate

Description

Problems of beginning teachers of agriculture relevant to planning, developing, implementing and evaluating local instructional programs. May be repeated for a total of three credits. (Fall)

DEPARTMENT:

Agricultural Science

AED685 - Teaching Adults in Agriculture
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Teaching and learning in formal and non-formal instructional programs for adult learners. Emphasis will be placed on teaching and training methods appropriate for use in agribusiness and industry, the Agricultural Extension System, and other non-youth education programs.

DEPARTMENT:

Agricultural Science

AED686 - Administration and Supervision in Agricultural Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Principles of administration and supervision. Organizational structure of the various levels, including the state plan. Primarily for agriculture teachers, supervisors, counselors and school administrators. (With sufficient demand)

DEPARTMENT:

Agricultural Science

AED687 - Teaching Agricultural Mechanics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Role of agricultural mechanics in the vocational agriculture curriculum. Course building, selecting, procuring, developing and using instructional aids in teaching agricultural mechanics with emphasis on demonstrating use of such materials. Building and equipment needs. (With sufficient demand)

DEPARTMENT:

Agricultural Science

AED688 - Modern Problems in Agricultural Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Classwork, not individual problem work, on modern problems in the field of agricultural education common to the group of students enrolled. May be repeated for a maximum of six credits. (With sufficient demand)

DEPARTMENT:

Agricultural Science

AED693 - Practicum in Agricultural Education, Extension, and Public Service Leadership
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Comprehensive course including topics of instructional and operational methods for the discipline, extension field tours and mentoring experiences, supervised visits in an educational or public service setting or agency, and completion of practicum/professional clinical hours.

Prerequisites

AED 380 or minimum of six credits in discipline specific courses within agriculture

DEPARTMENT:

Agricultural Science

AED735 - Qualitative Inquiry in Agricultural Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An examination into the qualitative research methods genre as related to agricultural education. Students will develop skills and abilities related to case study, phenomenology, and other methods as a means to crically analyze and apply qualitative scholarly publications and methods.

Prerequisites

Admission to the MS in Agriculture/Agricultural Education Concentration

DEPARTMENT:

Agricultural Science

AED791 - Instructing Out-of-School Groups
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Philosophy of vocational education for out-of-school youth and adults in agricultural occupations. Application of principles and techniques for organizing, conducting and evaluating instructional programs. Field-clinical experiences. (Spring)

DEPARTMENT:

Agricultural Science

AED900 - Trends and Advocacy in Agricultural Leadership
CREDITS:

3

COURSE LEVEL:

Graduate

Description

As a means to support sustainability in agricultural education, this course will engage students in the local, state, and national governmental structures, networking, legislative guidelines, and processing for testifying. Further focus will be placed on communicating the outcomes of an agricultural education program in an effective manner to community, administrative, and parental stakeholders.

Prerequisites

Admission to the agricultural education doctoral program

DEPARTMENT:

Agricultural Science

AED910 - Agricultural Education Stewardship in Practice
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An examination of the processes required to understand community needs, garnering a shared vision, program planning, and creating a preferred future for agricultural education on the local and state levels. Theories of stewardship and sustainability will be explored and placed into practice.

DEPARTMENT:

Agricultural Science

AED920 - Seminar in Agricultural Education Leadership
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Students enrolled in this course will analyze and make application of concepts related to leadership theory in agricultural environment. This course will focus on key characteristics and elements of leadership.

DEPARTMENT:

Agricultural Science

AED930 - Training and Presentation Development Strategies for Agricultural Audiences
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Students will develop skills in organizing and offering agricultural employee training and professional development for others. Emphasis will be placed on training, teaching, and demonstrating technical agricultural content.

DEPARTMENT:

Agricultural Science

AED940 - Agricultural Education Supervision in Practice
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will provide students experiences in supervising preservice and new professionals as an onsite supervising teacher using practices grounded in the cognitive coaching model of theory, rehearsal, modeling, and feedback.

DEPARTMENT:

Agricultural Science

AGR: Agriculture

AGR100 - Animal Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This is a basic course in animal science including the importance and place of livestock in agriculture; types, market classes and grades of beef, sheep, poultry and swine; origin and characteristics of breeds; and the judging of beef, sheep and swine.

DEPARTMENT:

Agricultural Science

AGR100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Required of all entering freshmen. Only one freshman orientation course will count toward graduation. Graded pass/fail. (Fall)

DEPARTMENT:

Agricultural Science

AGR101 - Basic Stock Seat Horsemanship
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed for students with previous experience in the handling and riding of horses. Includes instruction in grooming, saddling, bridling and mounting, and the development of basic riding skills at the walk, trot and canter.

Prerequisites

Permission of instructor

DEPARTMENT:

Agricultural Science

AGR102 - Beginning Equitation I
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

Designed for beginner riders in their first year and for riders that are considered safe to ride an unfamiliar horse in a group at a canter. Heavy emphasis is placed on developing a competent rider with proper hunt seat equitation skills. Weekend participation in Intercollegiate Horse Show Association horse shows is mandatory. Participation in weekend riding clinics is required. May be repeated as many times as taken. Graded pass/fail.

Prerequisites

Permission of instructor

DEPARTMENT:

Agricultural Science

AGR103 - Intermediate Hunt Seat Equitation

CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Designed for intermediate riders in their first or second year of riding and for riders that are considered safe to ride an unfamiliar horse in a group at a canter. A higher degree of proficiency at the walk, sitting trot, posting trot, two point, and canter is required more than in AGR 102. Emphasis is placed on learning suppling exercises for horse and rider in addition to developing a competent rider with proper hunt seat equitation skills. Weekend participation in Intercollegiate Horse Show Association horse shows is mandatory. Participation in weekend riding clinics is required.

Prerequisites

Permission of instructor

DEPARTMENT:

Agricultural Science

AGR104 - Advanced Hunt Seat Equitation

CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Designed for advanced riders that are considered safe to ride an unfamiliar horse in a group at a canter and gallop. A higher degree of proficiency at the walk, sitting trot, posting trot, two point, center and gallop is required more than in AGR 103. Emphasis is placed on the correct application of riders natural aids, suppling of the horse, collection and riding on the bit. To develop competent riders with professional equitation skills. Weekend participation in Intercollegiate Horse Show Association horse shows is mandatory. Participation in weekend riding clinics is required.

Prerequisites

AGR 103 and permission of instructor

DEPARTMENT:

Agricultural Science

AGR105 - Introduction to Rodeo
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

An introduction to rodeo designed to develop a better understanding of the events and rules of the sport through lectures, demonstrations, rodeo films, and hands-on practice. The course will include instructions in equipment care and preparation and mental and physical training using weights, calisthenics, etc. May be repeated once for additional credit.

DEPARTMENT:

Agricultural Science

AGR106 - Beginning Equitation II
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

Designed for beginner riders in their first or second year of riding and for riders that are considered safe to ride an unfamiliar horse in a group at a lope. Emphasis is placed on developing a competent well-rounded stock seat rider with proper stock seat equitation skills. Weekend participation in Intercollegiate Horse Show Association horse shows is mandatory. Participation in weekend riding clinics is required. Graded pass/fail. May be repeated as many times as taken.

Prerequisites

Permission of instructor

DEPARTMENT:

Agricultural Science

AGR107 - Intermediate Stock Seat Equitation
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Designed for the intermediate rider in their first or second year of riding and for riders that are considered safe to ride an unfamiliar horse in a group at a canter. A higher degree of proficiency at the walk, jog or lope is required more than in AGR 106. Emphasis is placed on learning suppling exercises for horse and rider in addition to developing a competent rider with proper stock seat equitation skills. Weekend participation in Intercollegiate Horse Show Association horse shows is mandatory. Participation in weekend riding clinics is required.

Prerequisites

Permission of instructor

DEPARTMENT:

Agricultural Science

AGR108 - Advanced Stock Seat Equitation
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Designed for the advanced rider that is considered safe to ride an unfamiliar horse in a group at a lope. A higher degree of proficiency at the walk, jog, and lope is required more than in AGR 107. Emphasis is placed on the correct application of the riders natural aids, suppling of the horse, collection, and riding on the bit. In addition to developing a competent stock seat equitation rider. Weekend participation in Intercollegiate Horse Show Association horse shows is mandatory. Participation in weekend riding clinics is required.

Prerequisites

AGR 107 and permission of instructor

DEPARTMENT:

Agricultural Science

AGR109 - Beginning Horsemanship Experience
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed for students with no previous riding or horse-handling experience. Prepares student for recreational horsemanship activities and for potential enrollment in Basic Horsemanship. Includes instruction in catching, haltering, grooming, saddling, and riding at the walk and trot.

DEPARTMENT:

Agricultural Science

AGR110 - Livestock Event Production and Venue Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory class designed to help individuals develop an understanding of the procedures and requirements involved with the production of a livestock related event and provide the fundamentals of managing an event venue involved with providing services for spectators and competitors. The course will include instruction in contracting, risk management, budgeting, advertising, labor management, equipment needs, event production, etc.

DEPARTMENT:

Agricultural Science

AGR111 - Basic Forward Seat Equitation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed for students with previous experience in the handling and riding of horses. Includes instruction in grooming, saddling, bridling, mounting, and the development of basic riding skills at the walk, trot, and canter. Must have previous horse handling and riding experience.

Prerequisites

Permission of instructor

DEPARTMENT:

Agricultural Science

AGR130 - Agricultural Economics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of fundamental principles of economics as applied to agriculture. Attention is given to resource use, economic growth, production fundamentals, economic institutions and agriculture in relation to national and world economics.

DEPARTMENT:

Agricultural Science

AGR133 - Field Applications for Agriculture
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course will teach students methods of solving many application problems that will be encountered in the field of agriculture using applied mathematical and logic skills. The emphasis will be to use practical mathematical skills already acquired from secondary education to address agricultural situations involving computations that are necessary for upper level courses in agriculture. Some knowledge of agricultural situations may be required. Possible field trips to the university farms during class time.

Prerequisites

Declared area or major in agriculture or permission of instructor

DEPARTMENT:

Agricultural Science

AGR140 - Plant Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of general plant science principles including basic plant anatomy, physiology and interactions with the surrounding environment.

DEPARTMENT:

Agricultural Science

AGR160 - Horticultural Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the practical principles and practices used in horticulture.

DEPARTMENT:

Agricultural Science

AGR170 - Introduction to Agricultural Systems Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to agricultural systems including: power and machinery, electricity, precision agriculture, soil and water engineering, metallurgy and fabrication, and safety. Emphasis is placed on understanding the technology involved in operating, maintaining, and managing these systems.

DEPARTMENT:

Agricultural Science

AGR180 - Skill Development in Horticulture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will document that students can demonstrate the competencies and skill necessary for occupations in the landscaping industry, turf and lawn management, nursery management, and/or vegetable and flower production areas. Credit will be by challenge exam only according to university policy and will be granted upon successful completion of the state horticulture skills standards test and completion of a career major in horticulture at the secondary school level.

DEPARTMENT:

Agricultural Science

AGR181 - Skill Development in Agriculture Production and Agribusiness
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will document that students can demonstrate the competencies and skill necessary for occupations in production agriculture and agribusiness. Emphasis will be placed on the development of scientific knowledge and skills pertaining to management of agribusinesses, farms, and cooperatives, and/or of the land and its effect on food and fiber production. Credit will be by challenge examination only according to university policy and will be granted upon successful completion of the State Agriculture Production Skills standards test and completion of a career major in horticulture, and/or successful completion of the State Agriculture Production Skills standards test and completion of a Career Pathway in that area at the secondary school level. May be repeated for a maximum of six credit hours.

DEPARTMENT:

Agricultural Science

AGR182 - Introduction to Veterinary Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course examines basic principles of veterinary science, including breeds, biology, veterinary tools parasitology, office management, animal control, and basic clinical exam techniques for large and small animals. The purpose of this course is to provide upperclassmen agricultural education students, at the high school level, with an introduction to the basic principles of veterinary science. This requires students to understand the biology of both large and small breeds of animals, as well as specifics related to the area of veterinary medicine. This class will build a foundation for those high school students interested in the area of veterinary science while serving as a dual credit course to gain elective credit through Murray State University.

DEPARTMENT:

Agricultural Science

AGR185 - Agricultural Leadership and Life Knowledge
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course developed for students who are interested in pursuing a career in the agricultural industry that elaborates on the roles, responsibilities and challenges in the field of agricultural leadership.

DEPARTMENT:

Agricultural Science

AGR190 - Conversational Spanish for the Agricultural Industry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

SPA106 - Basic Spanish and Culture for Agriculture

Description

Introductory Spanish course with an emphasis on agricultural terminology designed for basic communication in Spanish between agricultural employers and their Spanish-speaking employees. It includes a study of Hispanic culture and the contribution of migrant workers to the U.S. agricultural industry. Students may not receive credit for both this course and SPA 105 or 106. (Same as SPA 106.)

DEPARTMENT:

Agricultural Science

AGR199 - Contemporary Issues in Agriculture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to increase the understanding, awareness, and critical analysis of contemporary agricultural issues and their effect upon the social, political, economic and cultural aspects of society. Topics will include environmental, bio-technology, animal, crop, career, economy and trade, agricultural policy, food quality/safety and international agriculture issues.

DEPARTMENT:

Agricultural Science

AGR200 - International Agriculture Experience
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to enhance students' understanding of international agriculture and how it relates to the overall impact on world food processing and production through travel/study abroad. An emphasis is placed on experiences which have the potential to impact and add value to American/Kentucky agriculture, as well as those which hold key relationships to U.S. based agricultural trade and food development.

Prerequisites

AGR 130 and at least one subject specific agriculture technical course

DEPARTMENT:

Agricultural Science

AGR201 - Intermediate Horsemanship
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed for students with previous experience in the handling of horses. Deals with instruction in hunt seat and stock seat with emphasis placed on bareback equitation skills.

Prerequisites

AGR 101 or 111 and permission of Instructor

DEPARTMENT:

Agricultural Science

AGR223 - Introduction to Artificial Insemination for Cattle
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The primary objective of this course is to instruct students in artificial insemination in cattle. Topics will include reproductive system, herd health and nutrition, semen handling, and estrus detection and synchronization.

DEPARTMENT:

Agricultural Science

AGR240 - Crop Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the fundamental principles underlying the production of agricultural crops. Lecture, two hours; laboratory, two hours per week.

DEPARTMENT:

Agricultural Science

AGR247 - Tobacco Production
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An agriculture course designed for students who desire to expand their knowledge of tobacco production. Students will be introduced to the practical aspects of tobacco production in the Kentucky tobacco types.

DEPARTMENT:

Agricultural Science

AGR261 - General Pomology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

General principles and practices involved in handling home and commercial planting of the major fruit crops. (Spring, even years)

DEPARTMENT:

Agricultural Science

AGR262 - Vegetable Crop Production
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the fundamental principles underlying commercial and home garden production of vegetables. (Spring, odd years)

DEPARTMENT:

Agricultural Science

AGR263 - Woody Plant Materials I
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

The identification and use of woody deciduous plant materials in the landscape.

DEPARTMENT:

Agricultural Science

AGR269 - Introduction to Forestry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A general introduction to the many aspects of forestry including dendrology, silvics, silviculture, and wood utilization. Some emphasis will be placed on the management of forest lands for recreation and wildlife purposes. (Fall, odd years)

DEPARTMENT:

Agricultural Science

AGR300 - Principles of Animal Nutrition
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of digestion, absorption and utilization of nutrients, characteristics of feedstuffs, nutritional disorders and nutrient requirements of animals.

Prerequisites

AGR 100

DEPARTMENT:

Agricultural Science

AGR301 - Livestock Judging and Evaluation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of types of purebred and commercial beef cattle, sheep and swine, both market and breeding classes. Special emphasis is placed on writing and giving oral reports. (Fall)

Prerequisites

AGR 100

DEPARTMENT:

Agricultural Science

AGR302 - Horse Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Involves a study of the role of the light horse and the development of an equine vocabulary. Topics covered include the basic nutritional, housing and health requirements of the light horse. (Fall)

DEPARTMENT:

Agricultural Science

AGR303 - Advanced Horse Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Deals with various topics of interest to the horseman including psychology, evaluation, anatomy and health care. (Spring)

Prerequisites

AGR 302

DEPARTMENT:

Agricultural Science

AGR304 - Advanced Stock Seat
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is concerned with basic training techniques and the development of equitation skills using the western seat. (Fall)

Prerequisites

AGR 201 and permission of instructor

DEPARTMENT:

Agricultural Science

AGR306 - Advanced Forward Seat
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course presents equitation skills and techniques utilizing the forward seat. Included in the course are hunt seat, show seat, and other methods of English style equitation. Principles of schooling the jumping horses are emphasized. (Spring)

Prerequisites

AGR 201 and permission of instructor

DEPARTMENT:

Agricultural Science

AGR308 - Applied Equine Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Practical application of management principles involving health, nutrition, grooming, and training of horses.

Prerequisites

Permission of instructor

DEPARTMENT:

Agricultural Science

AGR309 - Equine Facility Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed for the equine student to study the economics and business related aspects of facility management. Students will be taught the value of short and long term planning and the decision making process that is involved in the operation of a commercial equine facility. Some weekend attendance will be required.

DEPARTMENT:

Agricultural Science

AGR310 - Applications in Animal Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The study of animal technology involving management, nutrition and health of small and large animal species. Lecture, two hours; laboratory, two hours. (Fall)

Prerequisites

AGR 100 (pre- or corequisite)

DEPARTMENT:

Agricultural Science

AGR311 - Beef Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the history and importance of the beef cattle industry; phases of beef production, selection, breeding, feeding, and management of beef cattle. Lecture, two hours; laboratory, two hours. (Spring)

Prerequisites

AGR 100

DEPARTMENT:

Agricultural Science

AGR312 - Dairy Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of dairy breeds, calf raising, herd replacements, milk production, nutrition and management of dairy herds. (Spring)

Prerequisites

AGR 100 and 300

DEPARTMENT:

Agricultural Science

AGR313 - Livestock Production Management Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of production management, nutrition, and breeding of farm animals. Will include on-the-farm training with livestock.

Prerequisites

AGR 100

DEPARTMENT:

Agricultural Science

AGR314 - Small Ruminant Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the history and importance of the goat and sheep industries, with emphasis on meat goat production; phases of production, selection, breeding, feeding, and management of goats and sheep will be covered.

Prerequisites

AGR 100

DEPARTMENT:

Agricultural Science

AGR315 - Equine Exercise Physiology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The study of conditioning of the equine athlete using the basic principles of exercise physiology, energetics, kinetics, and sports medicine. Emphasis on equine anatomical and physiological adaptions to exercise, assessment of physical fitness and conditioning in horses, nutrition and feeding requirements of working animals, moral and ethical considerations related to equine performance, and evaluation of common ailments and current therapies used in equine sports medicine.

Prerequisites

AGR 303 and/or permission of instructor

DEPARTMENT:

Agricultural Science

AGR316 - Dairy Cattle Selection and Evaluation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Origin, characteristics and developments of major breeds of dairy cattle. Improvement programs. Apply the principles involved in herd improvement to the selection of breeding animals for dairy herds. Fundamental aspects of evaluation of dairy cattle. Comparative terminology, decision-making and presentation of oral reasons. Lecture, two hours; laboratory, two hours. (Fall)

Prerequisites

AGR 100

DEPARTMENT:

Agricultural Science

AGR317 - Equine Health Care and Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth study of the health and soundness of a horse and its relationship to growth, performance, and reproduction with emphasis on development of a horse health program. Emphasis on evaluation of health status for various ages and classes of horses, assessment of treatment options for common equine ailments, development of proficiency in practical techniques related to horse health care, and application of critical thinking to ethical issues related to equine care.

Prerequisites

AGR 303 and/or instructor permission

DEPARTMENT:

Agricultural Science

AGR318 - Equine Forage Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of forage systems designed specifically for equine.

DEPARTMENT:

Agricultural Science

AGR319 - Equine Nutrition and Feeding
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course focuses on the study of anatomy and physiology of the gastrointestinal system and its role in digestion and utilization of feeds, with particular emphasis on the horse. Students will develop rations to feed various classes of horses and address the relationship of nutrition and health.

Prerequisites

AGR 303

DEPARTMENT:

Agricultural Science

AGR320 - Livestock Behavioral Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of species specific to livestock handling techniques based upon proven techniques, methods and livestock behavioral patterns. This class will include on the farm training with livestock.

Prerequisites

AGR 100

DEPARTMENT:

Agricultural Science

AGR321 - Poultry Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory study of the various phases of poultry production, diagnosis and treatment of diseases, nutrition, processing and management practices for commercial poultry operations. (Spring)

Prerequisites

AGR 100

DEPARTMENT:

Agricultural Science

AGR322 - Introductory Veterinary Laboratory I
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An introductory course to the veterinary laboratory for the veterinary technologist. This course is designed to introduce the veterinary technology student to basic concepts, theories, and techniques of veterinary clinical pathology laboratory. Laboratory safety, microscopy, specimen collection, diagnostic analysis, laboratory instrumentation and techniques are taught for development of proficient laboratory skills. Three one-hour lectures; one two-hour laboratory.

Prerequisites

AGR 310 with a minimum grade of C

DEPARTMENT:

Agricultural Science

AGR323 - Livestock Structure and Function
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides a foundation for understanding the anatomy and physiology of various livestock species to prepare students for advanced courses in the Animal/Equine Science curriculum.

Prerequisites

AGR 100

DEPARTMENT:

Agricultural Science

AGR324 - Veterinary Diagnostic Imaging
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will be exposed to learning appropriate diagnostic imaging skills needed in the field of veterinary technology. Students will learn handling and restraint techniques of small and large animals, as it relates to diagnostic imaging in areas of radiology, ultrasongraphy, and endoscopy. Students will also learn utilization of radiographic equipment, safety measures, equipment maintenance, along with proper positioning and exposures with small and large animals. Each week there will be two 1-hour lectures and one 2-hour lab.

Prerequisites

AGR 310 and 322 with a minimum grade of C

DEPARTMENT:

Agricultural Science

AGR325 - Small Animal Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the history and importance of the small and exotic animal industry; breeds, selection and management are topics which will be covered. (Fall)

Prerequisites

AGR 310 with a minimum grade of C

DEPARTMENT:

Agricultural Science

AGR326 - Swine Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Basic principles and their application in pork production ' breeding, selection, nutrition, housing, equipment and economic management. Lecture, two hours; laboratory, two hours. (Fall)

Prerequisites

AGR 100

DEPARTMENT:

Agricultural Science

AGR327 - Meat Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Class will give students a basic understanding of meat science: meat production, meat structure and composition, meat quality and hygiene, animal welfare, and animal handling and slaughter.

Prerequisites

AGR 100

DEPARTMENT:

Agricultural Science

AGR328 - Statistics for Food and Agriculture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to enhance the quantitative skills of agriculture students. Techniques include descriptive statistics, probability, analysis of variance, and egression analysis. Discussion, examination and use of these techniques will cover and be limited to agriculturally related topics.

DEPARTMENT:

Agricultural Science

AGR329 - Introductory Veterinary Laboratory II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to advance the knowledge of the veterinary technology student to laboratory diagnostic techniques and procedures. This course will provide an emphasis in common procedures conducted in both a veterinary practice, as well as in a veterinary diagnostic laboratory. This course will provide the student with both lecture and hands-on exposure to areas of veterinary microbiology, parasitology, and cytology.

Prerequisites

AGR 310 with a minimum grade of C

DEPARTMENT:

Agricultural Science

AGR330 - Principles of Agribusiness Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The organization of agribusiness, its development in local communities, and the roles played by farmers, farm suppliers, processors, wholesalers, retailers, consumers and government. Analysis of the job opportunities in agribusiness. (Spring)

Prerequisites

AGR 130 or ECO 231

DEPARTMENT:

Agricultural Science

AGR331 - Small Animal Diseases
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the more common and important diseases of dogs and cats. The clinical signs, life cycles of pathogenic organisms, progression of symptoms and control of the diseases will be discussed. (Fall)

Prerequisites

AGR 310 with a minimum grade of C

DEPARTMENT:

Agricultural Science

AGR332 - Veterinary Nursing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to teach veterinary technology students the essentials of clinical animal nursing as it relates to the appropriate theories, practices, procedures, and skill development utilized in veterinary medicine. Two lectures; two-hour laboratory. Throughout the semester, mandatory outside skill-building assignments/activities will also be required, resulting in additional time required outside of class/laboratory.

Prerequisites

AGR 310 and 322 with a minimum grade of C

DEPARTMENT:

Agricultural Science

AGR333 - Agribusiness Records and Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Fundamental principles necessary to keep farm and agribusiness firm accounts and to analyze these accounts for profitability. Budgeting, amortization, depreciation and the application of microcomputer technology to the management and financial control of the agribusiness firm. (Fall)

DEPARTMENT:

Agricultural Science

AGR334 - Entrepreneurship in Agribusiness
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of fundamental principles of entrepreneurship as applied to agribusinesses. Attention is given to entrepreneurial creativity, business plans, marketing, accounting and finance, and management practices and strategies in small businesses.

Prerequisites

AGR 130

DEPARTMENT:

Agricultural Science

AGR335 - Farm Systems Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course focuses on the business aspects of production agriculture. Emphasis is on balance sheet and income statement analysis, capital and credit use, enterprise, partial and whole farm budgeting, and investment analysis. Economic principles and cost concepts as they relate to agriculture are also discussed. The student will learn to apply these tools to develop a farm management plan.

DEPARTMENT:

Agricultural Science

AGR336 - Agricultural Commodity Marketing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the nature of food and fiber consumption and demand, production and supply of farm products, marketing margins and price determination for specific agricultural commodities. (Fall, odd years)

Prerequisites

AGR 130 or ECO 231

DEPARTMENT:

Agricultural Science

AGR337 - Agricultural Sales and Merchandising
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to enhance the students' abilities to sell agriculturally related products. An emphasis is placed on agricultural customer and market knowledge and the skills required satisfying customer needs. Students are required to contact and spend time with agricultural sales professionals.

DEPARTMENT:

Agricultural Science

AGR338 - Rural Economic Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the basic principles underlying the economic development of rural areas. The impact and role of agricultural and community organizations and their influence on the rural economy will be studied. Each student will make a special socioeconomic study of his/her community including a resource inventory and plan for economic development. (Summer, with sufficient demand)

DEPARTMENT:

Agricultural Science

AGR339 - Computer Applications for Agriculture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to develop an understanding and practical knowledge of the use of computers with respect to their application to problem-solving within agriculture. Students will receive hands-on experience in applying a variety of agriculture specific software to problems in agriculture and agricultural business management.

DEPARTMENT:

Agricultural Science

AGR340 - Veterinary Laboratory Sciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is divided into four sections: veterinary science, toxicology, necropsy and laboratory animal science. Course is designed to acquaint the student with basic pharmacology and toxicology, submission of tissue samples to diagnostic laboratories, necropsy techniques and common practices associated with laboratory animals.

Prerequisites

AGR 310, 322, 332, and eight hours of chemistry with a minimum grade of C in all prerequisite courses

DEPARTMENT:

Agricultural Science

AGR341 - Seed Production and Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Special emphasis is given to the production and processing of seed, evaluation and testing for quality, and the study of viability during storage. (Spring)

DEPARTMENT:

Agricultural Science

AGR342 - Seed, Crop and Grain Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Skills related to the evaluation of crops for quality relative to certification, viability, and marketing will be taught. The subjects that will be taught include seed analysis, plant and seed identification and grain grading.

Prerequisites

AGR 240

DEPARTMENT:

Agricultural Science

AGR345 - Soil Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A general study of soil properties including classification development, use of fertilizers, and conservation.

Corequisites

AGR 346

DEPARTMENT:

Agricultural Science

AGR346 - Soil Science Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Soil Science Lab consists of a number of lab exercises that supports the course material in AGR 345.

Corequisites

AGR 345

DEPARTMENT:

Agricultural Science

AGR350 - Soil Survey
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Principles of soils origin and classification including field mapping. Lecture, two hours; laboratory, two hours. (Spring)

Prerequisites

AGR 345

DEPARTMENT:

Agricultural Science

AGR351 - The Impacts of Climate Change on Agriculture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the science of climate change and its impacts on agriculture, including farming, ocean life, and on agriculture including how it will affect the future of agriculture and introducing potential actions to mitigate impact. Field trips may be required.

DEPARTMENT:

Agricultural Science

AGR353 - World Food, Agriculture and Society
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will provide students with a basic understanding of various world agriculture systems that provide food. Analysis of the role of society, historical, environmental, technological, socio-economic, and political factors that affect world food will be addressed. The course will also include topics on the evolution of agriculture, technology and food trends over the world as it has been shaped by society, culture, and world population growth. Specific issues on food poverty and malnutrition in developing countries, culture and food habits, climate changes impacting agriculture productions, and other constrains to world food production will be covered.

DEPARTMENT:

Agricultural Science

AGR355 - Soil Judging
CREDITS:

0 - 2

COURSE LEVEL:

Undergraduate

Description

Emphasis on recognition, description and classification of soil horizons in a soil profile and then placing this soil in the U.S. Classification System. This course is designed for those interested in conservation and teaching careers. May be repeated for a maximum of six credits. (Fall)

DEPARTMENT:

Agricultural Science

AGR360 - Greenhouse Production and Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of producing plants under transparency. Includes greenhouse management problems; heating, cooling, and humidity control; also cultural practices of several different crops. Lecture, two hours; laboratory, two hours.

Prerequisites

AGR 140, 160 or AGR 240 (pre- or corequisite)

DEPARTMENT:

Agricultural Science

AGR361 - Horticulture and Greenhouse Management Practicum
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A hands-on work study course that allows for the management and maintenance of all university greenhouse and horticultural components.

Prerequisites

AGR 360 and permission of instructor

DEPARTMENT:

Agricultural Science

AGR362 - Floral Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Operation and management of a retail florist establishment with emphasis on floral design. (Fall, even years)

DEPARTMENT:

Agricultural Science

AGR363 - Woody Plant Materials II
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

The identification and use of woody evergreen plant materials in the landscape.

DEPARTMENT:

Agricultural Science

AGR364 - Nursery Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of establishing and managing a nursery practice including field grown container stock, wholesale and retail nursery business practices, and employee management practices.

Prerequisites

AGR 160

DEPARTMENT:

Agricultural Science

AGR365 - Herbaceous Plant Materials
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

A study of characteristics, requirements, and potential uses of herbaceous ornamental plants in the landscape.

DEPARTMENT:

Agricultural Science

AGR366 - Horticultural Judging
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

An emphasis on woody and herbaceous plant morphology, fruit, vegetable, floral and production landscape plant judging. Course geared toward horticultural competitions and training agricultural education majors for FFA competitions. May be repeated for a maximum of two credits. Field trips will be required.

Prerequisites

AGR 160 (pre- or corequisite)

DEPARTMENT:

Agricultural Science

AGR367 - Residential Landscape Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The application of principles of design to landscaping the home grounds. The identification, use and maintenance of ornamental plants and lawn grasses. Special attention will be given to the use of native plants for home beautification. Lecture, two hours; laboratory, two hours; field trips. (Spring)

Prerequisites

AGR 263 and 363

DEPARTMENT:

Agricultural Science

AGR368 - Landscape Construction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Understanding the process of landscape construction from initial planning stages to the actual installation of structures utilized within a landscape design.

Prerequisites

AGR 160

DEPARTMENT:

Agricultural Science

AGR370 - Introduction to Precision Agriculture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introductory course in the fundamental principles and applications of precision agriculture. Emphasis is placed on gaining a basic understanding of concepts, trends, technology, and practices in the precision agriculture industry. Content will be focused on introducing students to basic experiences with systems and uses of technology such as unmanned systems, software use, data analysis, crop input applications and methods, and hardware components and systems.

DEPARTMENT:

Agricultural Science

AGR371 - Agricultural Buildings and Construction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to technical design, selection of materials, and modern construction techniques used in the agriculture industry. Emphasis on concrete and erection of pole frame and steel buildings.

DEPARTMENT:

Agricultural Science

AGR372 - Agricultural Metal Processes
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Basic theories involving metallurgy and the metal working processes. Includes SMAW, GMAW, brazing, OA welding and cutting, and plasma arc process. Skill development emphasized.

DEPARTMENT:

Agricultural Science

AGR373 - Animals in Disaster
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

This course is two fold. Module A is intended to increase awareness and preparedness among animal owners and care providers. Module B is intended to guide emergency management officials and animal owners, care providers, and industries in preparing community disaster plans. (Fall and Spring)

DEPARTMENT:

Agricultural Science

AGR374 - Livestock in Disaster
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course is designed to increase your awareness of what livestock producers, emergency managers, veterinarians, extension agents, and others can do to prevent and reduce the consequences of disasters. (Fall and Spring)

DEPARTMENT:

Agricultural Science

AGR375 - Animal Emergency Preparedness
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course focuses on educating animal owners, care providers, and participants in the companion and large animal industry on emergency and disaster planning, the incident management system utilized during emergency situations, and to assist those same groups in working with emergency management officials to develop community disaster plans.

DEPARTMENT:

Agricultural Science

AGR376 - Agricultural Chemicals
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course deals with the major weeds and insects, which attack field crops and stored grain and the associated herbicides and insecticides. An understanding is developed of how and why herbicides function.

DEPARTMENT:

Agricultural Science

AGR377 - Agriculture Safety
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of the hazards, methods of injury prevention, safety education, regulations and advancing safety and health in the agriculture industry.

DEPARTMENT:

Agricultural Science

AGR378 - Agricultural Environmental Management Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of animal waste, pesticide, and nutrient management practices in agriculture to reduce and control soil and water pollution and comply with Federal and state regulations.

DEPARTMENT:

Agricultural Science

AGR379 - Field Equipment Technology Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to develop a solid foundation of knowledge that can be used to make efficient field equipment technology management decisions and to help keep a farm enterprise competitive.

DEPARTMENT:

Agricultural Science

AGR385 - Disseminating Agriculture, Food and Natural Resource Messages through Emerging Media
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course develops the skills necessary to communicate complex information effectively to multiple audiences through multiple modes. Students will explore communications theory and practice and develop a framework for critically evaluating information sources. The course emphasizes essential communication skills including writing, conducting interviews, and communications planning.

DEPARTMENT:

Agricultural Science

AGR399 - Professional Development Seminar I
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Seminar for agriculture students focusing on the job search process, employment opportunities, and related problems. Recommended for students in the junior or senior year.

DEPARTMENT:

Agricultural Science

AGR400 - Veterinary Microbiology
CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

Orientation to the veterinary diagnostic laboratory environment, including familiarization with basic techniques in veterinary bacteriology and mycology, veterinary virology, and clinical serology and immunology. Lecture two hours; laboratory, six hours.

Prerequisites

AGR 310, 322, 332, and eight hours of chemistry with a minimum grade of C in all prerequisite courses

DEPARTMENT:

Agricultural Science

AGR401 - Equine Breeding and Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A comprehensive study of the reproductive anatomy and physiology of the stallion and brood mare, as well as the care of the foal from birth to weaning. Special attention is given to current management concepts prevalent in the equine industry today. (Spring)

Prerequisites

AGR 302

DEPARTMENT:

Agricultural Science

AGR402 - Advanced Livestock Judging
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Provides the student with guidelines for evaluation and selection procedures as applied to breeding and market swine, beef cattle and sheep. Special emphasis is placed on training students for livestock judging team. May be repeated for a maximum of six credits.

DEPARTMENT:

Agricultural Science

AGR403 - Equine Reproduction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A comprehensive study of the reproductive anatomy and physiology of the stallion and brood mare, as well as the care of the foal from birth to weaning. Special attention is given to current management concepts prevalent in the equine industry today.

Prerequisites

AGR 302

DEPARTMENT:

Agricultural Science

AGR404 - Selective Equine Breeding
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of the hereditary traits in horses, breeding design, performance and progeny testing, marketing, and herd analysis.

DEPARTMENT:

Agricultural Science

AGR405 - Equine Behavior Modification
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Fundamental methods of breaking and training the young horse. All students are assigned a horse for application of techniques. (Spring)

Prerequisites

Permission of instructor

DEPARTMENT:

Agricultural Science

AGR407 - Equine Selection and Evaluation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Basic study of selection and evaluation of horses for various uses, including halter and performance. (Fall)

Prerequisites

AGR 302

DEPARTMENT:

Agricultural Science

AGR408 - Equine Wilderness Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will be given a broader awareness of the opportunities offered in parks and wilderness areas throughout the United States. Students must be experienced in riding and handling horses. Students will receive basic instruction concerning the Federal Wilderness Act, its origin and purpose, and various wilderness areas in the United States, their rules and regulations. Students will also study a specific wildness area, its history, flora and fauna, and related items of interest for that particular area. Students will receive instruction in knot tying, packing, and handling a pack string, Dutch oven cooking, and other necessary skills required while working for an outfitter. Classroom instruction will be followed by a working pack trip immediately after finals week in a wilderness area such as the Gila Wilderness Area. While on the pack trip students will be required to keep a journal as part of their grade.

Prerequisites

Permission of instructor

DEPARTMENT:

Agricultural Science

AGR410 - Advanced Veterinary Hematology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Concepts of hematopoiesis and the effect of disease on blood cells will be covered. Cell counting, identifications of normal and abnormal blood cells, bone marrow examination, cytology, coagulation, and special hematology skills will be taught. Lecture, two hours; laboratory, four hours.

Prerequisites

AGR 310, 322, 332, and eight hours of chemistry with a minimum grade of C in all prerequisite courses

DEPARTMENT:

Agricultural Science

AGR420 - Veterinary Clinical Chemistry
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Basic concept of clinical chemistry in animals as it related to organ systems and specific diseases will be covered in lecture. The laboratory will emphasize clinical chemistry assays utilizing automated and manual techniques as well as urinalysis and use of laboratory equipment.

Prerequisites

AGR 310, 322, 332, and eight hours of chemistry with a minimum grade of C in all prerequisite courses

DEPARTMENT:

Agricultural Science

AGR423 - Artificial Insemination Techniques for Cattle
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed to train students to become competent A.I. technicians. Topics discussed will include reproductive processes, health, nutrition, facilities and management of breeding herd. Techniques concerning semen handling, heat synchronization and heat detection will be taught. Laboratories will be designed to give students actual experience in inseminating cattle. (Summer, with sufficient demand.)

DEPARTMENT:

Agricultural Science

AGR426 - Experience in Swine Production
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

As an experientially-based course, students will be immersed in the decision-making process of managing a modern swine production facility. Students will have the opportunity to apply principles of facilities management, swine nutrition, swine genetics, swine reproduction, enterprise finance, and product merchandising within the context of operating a production facility. Stages of production will include breeding, gestation, farrowing, lactation, nursery/growing, and finishing.

Prerequisites

AGR 100

DEPARTMENT:

Agricultural Science

AGR430 - Veterinary Parasitology
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Basic concepts of parasitology including life cycles and mechanisms of pathogenicity will be covered during lecture. The laboratory portion will emphasize methods of identification of parasites in fecal, blood, and skin specimens. Lecture, two hours; laboratory, four hours for half a semester.

Prerequisites

AGR 310, 322, 332, and eight hours of chemistry with a minimum grade of C in all prerequisite courses

DEPARTMENT:

Agricultural Science

AGR433 - Farm Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study is made of the management functions and economics of farm organization and operation, including input-output relationships, enterprise combination, and budget analysis. Assignments are given which assist the student in applying economics and management principles to an individual case farm operation.

DEPARTMENT:

Agricultural Science

AGR434 - Food and Agriculture Marketing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An experiential learning course to develop skills in marketing agriculture, food and beverage products. Students will explore the marketing system for value-added agricultural products from household consumption back to production and agricultural inputs. Topics will include market analysis and selection, marketing research, sales forecasting, product policies, distribution channels, pricing, advertising and market control. Students will have an opportunity to apply principals within the development of a complete marketing plan for a new agriculture or food product. Students may be required to travel to area agribusinesses as part of the course requirements.

DEPARTMENT:

Agricultural Science

AGR435 - Interpretation of Agricultural Research
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Students will access, analyze, evaluate and interpret agricultural research for occupational work. The course is oriented towards all fields within the agricultural sector.

DEPARTMENT:

Agricultural Science

AGR436 - Undergraduate Research in Agriculture
CREDITS:

3 - 6

COURSE LEVEL:

Undergraduate

Description

Agricultural research projects arranged individually with faculty members who agree to direct the research. A written plan of research must be filed with the school within two weeks of the beginning of the semester. May be repeated once for a maximum of six hours.

DEPARTMENT:

Agricultural Science

AGR438 - Seminar in Agricultural Systems
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

A course designed to enhance students' understanding of and experiences in, agricultural systems. The two emphases that will be available in this seminar are managing a successful agribusiness and production operation. This class is intended for students transferring to MSU through the Transfer Bridge program from the Agricultural Technology Program at KCTCS schools. Seminars and field experience outside of class required. The course may be taken for 2 credit hours as the agribusiness emphasis or for 2 credit hours as the production agriculture emphasis. The course can be repeated for a maximum of 4 hours credit by taking each emphasis.

DEPARTMENT:

Agricultural Science

AGR439 - Software Applications for Agriculture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to develop an enhanced understanding of software programs and techniques in a hands-on environment. Software studied will enhance student skills in farm, nutrient and livestock management as well as customer profiling, billing for custom application and technical communication.

Prerequisites

AGR 339

DEPARTMENT:

Agricultural Science

AGR440 - Behavior Modification Techniques for Domestic Animals
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to introduce students to techniques of behavior modification and the importance of behavior problem prevention in domestic animals. Basic understanding of normal behavior, principles of learning, and application of various behavior modification techniques will be explored.

Prerequisites

AGR 310

DEPARTMENT:

Agricultural Science

AGR441 - Principles of Animal Learning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to introduce students to the fundamentals of how animals learn. Emphasis will be placed on the importance of understanding learning theories. Observing animal behavior will also be a necessary part of this course.

DEPARTMENT:

Agricultural Science

AGR444 - Promotion and Entrepreneurship of Livestock and Their Products
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Explore the process of building and promoting ventures that market livestock and livestock products directly to the consumer. Topics include promotion of farms, products, and animals, brand development, consumer research, marketing through education, website development and search engine optimization, and fostering a niche agricultural market. Discover marketing and promotion from the perspective of the livestock entrepreneur.

Prerequisites

AGR 100

DEPARTMENT:

Agricultural Science

AGR455 - Soil Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The control of erosion, organic matter maintenance, effects of fertilizer on the environment, evaluating fertility and fertilization of major crops are emphasized. (Spring)

DEPARTMENT:

Agricultural Science

AGR460 - Professional Experience in HC
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed to provide on-the-job training in various horticultural enterprises such as golf courses, florist shops, greenhouse operations and garden centers under supervision of a horticulture professor. May be repeated once if approved by faculty advisor. (Fall, Spring or Summer)

DEPARTMENT:

Agricultural Science

AGR461 - Plant Propagation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the methods of propagating horticultural plants. Includes cutting, grafting, budding, layerage and seed propagation. Lecture, two hours; laboratory, two hours. (Spring, even years)

Prerequisites

AGR 160 and 360

DEPARTMENT:

Agricultural Science

AGR462 - Fine Turf Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A detailed study of varieties of fine turf grasses and establishment and maintenance of fine turf, including soil and turf relationship, fertilizing and liming, and drainage and irrigation. Lecture two hours; laboratory, two hours.

Prerequisites

AGR 160

DEPARTMENT:

Agricultural Science

AGR463 - Horticultural Therapy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Exploring the therapeutic modality that focuses on improving human health and functioning though the use of horticultural programs. The profession of horticultural therapy is based on medical model and is used both nationally and internationally. This course studies the different client populations that benefit from the therapy and how to set treatment goals based on a client's need.

DEPARTMENT:

Agricultural Science

AGR470 - Soil and Water Engineering
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Surveying, mapping, and determining areas of farm land; designing farm drainage systems; farm ponds; controlling water erosion with terraces and other mechanical structures. Lecture, one hour; laboratory, four hours. (Fall)

DEPARTMENT:

Agricultural Science

AGR471 - Applications in Precision Agriculture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed to understand the acquisition and analysis of geographically referenced data for the management of crop production systems, data formats, geographic information systems, grid sampling, soil fertility and physical properties, herbicide management, combine yield monitoring, variable-rate application, crop modeling and economics.

Prerequisites

AGR 339

DEPARTMENT:

Agricultural Science

AGR474 - Agricultural Fluid Power Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is a study of fluid power theory, components, systems and applications related to agricultural tractors and equipment. Emphasis is placed on topics for understanding common fluid power systems, their function, maintenance, and repair. Classroom learning is reinforced through applied labs focused on component and system designs, geometry and operation using new and used agricultural equipment. Field trips may be required.

Prerequisites

AGR 170 and MAT 140 (or equivalent)

DEPARTMENT:

Agricultural Science

AGR475 - Precision Agriculture Hardware and Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course involves the study of hardware components of a variety of technology systems related to precision agriculture. Specific components such as wiring, sensors, monitors, actuators, and related sub-systems will be the focus for this course. Laboratory experiences will include hardware component function, design, installation, and troubleshooting.

Prerequisites

AGR 370 and 471

DEPARTMENT:

Agricultural Science

AGR477 - Agricultural Power Units
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of small power units relative to agriculture. Includes servicing, maintenance, repair, use, types and applications of electrical motors, pumps, and small internal combustion engines. (Fall, even years)

DEPARTMENT:

Agricultural Science

AGR479 - Unmanned Aerial Systems Applications in Agriculture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will develop the student's knowledge and skills that are needed to safely exercise the privileges and responsibilities of a private pilot specifically to the area of agriculture. Course content includes instruction in aircraft systems, FAA regulations, US airspace performance, aviation weather, flight requirements, flight safety, and flight ethics related to agricultural tasks. Skills will be acquired through classroom activities, simulations, hands-on flight activities, and planning/completing agricultural missions. Agricultural field experiences may be expected.

Prerequisites

UAS 110

DEPARTMENT:

Agricultural Science

AGR488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

DEPARTMENT:

Agricultural Science

AGR489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

AGR 100, 300, 310, 322, 324, 331, 332, 540, and 550

DEPARTMENT:

Agricultural Science

AGR497 - Advanced Practicum in Equine Management
CREDITS:

1 - 12

COURSE LEVEL:

Undergraduate

Description

This course will allow the student to obtain experience in a pre-approved animal or equine company or organization during the junior or senior year as an undergraduate student. Students will be supervised by a professional at the company or organization, as well as a university coordinator. For each credit taken, a minimum of one week and 40 clocked hours are required. Graded pass/fail. May be repeated for a total of up to 12 hours.

Prerequisites

Junior or senior status

DEPARTMENT:

Agricultural Science

AGR498 - Agronomy Practicum
CREDITS:

12

COURSE LEVEL:

Undergraduate

Description

Course will allow the student to obtain experience in a pre-approved agronomic company or organization during the senior year as an undergraduate student. Students will be supervised by an agronomist at the company or organization, as well as a university coordinator. Student access to internet and computer equipment capable of online video conferencing is required. This will be a 15-week placement with 525 clock hours required. Graded pass/fail. Students with AGR 488 or 489 credits are not eligible to enroll in this course.

DEPARTMENT:

Agricultural Science

AGR499 - Leadership/Professional Development Seminar II
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Seminar for agriculture students focusing on the leadership development and the transition to the world of work and related problems. Recommended for students in the junior or senior year. Graded course. May be repeated up to 3 hours.

DEPARTMENT:

Agricultural Science

AGR502 - Advanced Nutrition
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of physical and chemical properties of feeds. Digestion, absorption and metabolism of nutrients and factors affecting these functions are emphasized. The nutrient requirements of farm animals and effects of nutrient deficiencies are also studied. (Fall)

DEPARTMENT:

Agricultural Science

AGR503 - Genetics and Animal Breeding
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of hereditary traits in livestock, breeding designs, progeny testing and herd analysis. (Spring)

DEPARTMENT:

Agricultural Science

AGR504 - Diseases of Livestock
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Distribution, general nature, methods of dissemination, sanitation, prevention and eradication of common infectious and parasitic diseases of domestic animals; hygiene and preventive medicine, with emphasis on the transmissible diseases. (Fall)

Prerequisites

AGR 100, 300, and 310 with a minimum grade of C in all prerequisite courses

DEPARTMENT:

Agricultural Science

AGR505 - Domestic Livestock Reproduction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides basic information concerning reproductive anatomy, hormonal control of reproduction, gamete formation, embryonic and fetal growth and development, pregnancy maintenance, parturition, and reproductive management techniques relevant to domestic livestock species including bovine (cattle), porcine (swine), ovine (sheep), and caprine (goats). Field trips or laboratory experiences may be available.

Prerequisites

AGR 100

DEPARTMENT:

Agricultural Science

AGR506 - Reproductive Physiology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the reproductive processes in mammals with primary emphasis on domestic farm animals. Will include the anatomy, endocrinology, behavior and general physiology of the reproductive processes. Artificial insemination, estrous control, ova transplants and other practical production practices will be covered. Lecture, two hours; laboratory, two hours.

Prerequisites

AGR 100, 300, and 310 with a minimum grade of C in all prerequisite courses

DEPARTMENT:

Agricultural Science

AGR510 - Animal Physiology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will introduce students to the physical and chemical factors of the animal body cell systems, how these systems interrelate, and the organs that are responsible for the progression of life. Emphasis will be placed on functional organization of the animal body and control in its environment. Species covered can include porcine, bovine, equine, canine, and feline.

Prerequisites

AGR 310 with a minimum grade of C

DEPARTMENT:

Agricultural Science

AGR511 - Animal Anatomy Laboratory
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

This course offers an in-depth examination of the anatomy of animals. Applied hands-on nature of this course allows students to develop skills in recognizing anatomical areas that will further help them develop surgical treatments. Emphasis is placed on descriptive terms, bones, muscles, and the major systems of the animal body. Species covered an include porcine, bovine, equine, canine, and feline.

Prerequisites

AGR 310 and 332 with a minimum grade of C in both prerequisite courses

DEPARTMENT:

Agricultural Science

AGR512 - Beef Cattle Management Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of beef production, forage management and marketing systems. Lecture, one hour; laboratory, four hours. (Fall)

Prerequisites

AGR 100 and 311

DEPARTMENT:

Agricultural Science

AGR514 - Teaching Methods in Animal/Equine Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Philosophy and objectives of teaching in the areas of livestock and equine management, science, production, or horsemanship. Concepts include preparing course syllabus and lesson plans, topic delivery and classroom management, knowledge and skill assessments, testing methods, and course evaluation techniques. Students will serve as a teaching assistant in an approved course and will be required to develop and conduct at least one lesson during the semester. Repeatable for a maximum of 6 hours.

Prerequisites

Permission of instructor

DEPARTMENT:

Agricultural Science

AGR528 - Agriculture, Food and Rural Law
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to introduce students to law and legal issues related to agriculture, agribusiness, and property as related to rural living and the food production system. It is not a course designed to give students legal advice and the materials taught should not be interpreted as such. Topics to be covered include judicial process and types of law, tort law and product liability related to agricultural enterprises and the food system, inheritance law, and other legal issues facing owners or operators of our nation's natural resources.

DEPARTMENT:

Agricultural Science

AGR529 - International Trade and Agriculture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Changing role of U.S. agriculture in a dynamic world economy; national and international policies and institutions affecting agriculture; exchange rates, tariffs, and non-tariff barriers.

Prerequisites

Junior, senior, or graduate standing; and AGR 130

DEPARTMENT:

Agricultural Science

AGR530 - Advanced Agricultural Commodity Marketing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An advanced course designed to provide an in-depth treatment of how the futures markets can be used to improve the agricultural commodity marketing timing decisions. The purpose of the course is to familiarize the students with the history and characteristics of the commodity future markets and understand the importance of marketing as a farm management tool. Both fundamental and technical aspects of charting and how to use these techniques as price forecasting tools.

Prerequisites

AGR 336

DEPARTMENT:

Agricultural Science

AGR531 - Agricultural Finance
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the needs and problems of financing farm and farm service businesses, including a study of credit institutions serving American agriculture. (Fall)

DEPARTMENT:

Agricultural Science

AGR532 - Farm and Land Appraisal
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the methods and procedures of land and farm property valuation with attention to appraisal programs of the credit and farm service institutions. (Fall)

Prerequisites

AGR 130

DEPARTMENT:

Agricultural Science

AGR533 - Seminar in International Agriculture Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to enhance student's understanding of international agriculture systems and how they relate to the overall impact on world food processing and production. An emphasis is placed on systems which have the potential to impact and add-value to American agriculture, as well as those which hold key relationships to U.S. based agricultural trade and food development. May be repeated for a maximum of nine credit hours.

DEPARTMENT:

Agricultural Science

AGR534 - Types and Systems of Farming and Agribusiness
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Includes a general statistical analysis of U.S. agriculture with attention to major agricultural regions of the nation and types of farming areas of Kentucky. Special emphasis is given to the organization of West Kentucky and regional farms and agribusinesses. Field trips, interviews and financial analysis of successful firms. (Summer, with sufficient demand)

DEPARTMENT:

Agricultural Science

AGR536 - Quantitative Methods for Agribusiness
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the use and theory of mathematics as it applies to the fields of agriculture, finance and economics. Attention is given to the elementary uses of algebra, matrix algebra and the calculus as they apply to optimization problems in resource use efficiency. The same mathematics will be applied to time value of money topics. (Spring, odd years)

Prerequisites

ECO 230, 231 and MAT 140

DEPARTMENT:

Agricultural Science

AGR537 - Seminar in Agricultural Business Systems
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course designed to enhance student's understanding of, and experience in, agricultural business systems. Emphasis will be placed on strategies of managing a successful agribusiness operation and/or farmer-owned cooperatives.

Prerequisites

AGR 130

DEPARTMENT:

Agricultural Science

AGR538 - Seminar in Production Agricultural Systems
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Designed to enhance student's understanding of, and experience in, production agriculture systems and how they relate to a successful farming operation. An emphasis is placed on systems, which have the potential to impact and add-value to the local, regional and national agriculture economy, through classroom as well as laboratory experiences.

DEPARTMENT:

Agricultural Science

AGR539 - Advanced Computer Applications for Agriculture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An intensive course designed to enhance the computer skills of agriculture students and to give them the skills necessary to generate useful information and solve a variety of agriculturally specific problems. Students receive instruction on advanced word processing concepts, budget generation, statistical analysis, agribusiness related software and global positioning systems in agriculture.

Prerequisites

AGR 339

DEPARTMENT:

Agricultural Science

AGR540 - Veterinary Surgery and Anesthesia
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Clinical principles, practices and procedures involved in the field of veterinary medicine. For animal health technology students with senior standing.

Prerequisites

AGR 310, 322, 324, 332, and MAT 140 (or higher); must have a minimum grade of C in all prerequisite courses

DEPARTMENT:

Agricultural Science

AGR541 - Crop Physiology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Basic principles of crop physiology; the effect of environment and management practice on physiological processes, growth and development of crops. (Spring, odd years)

DEPARTMENT:

Agricultural Science

AGR542 - Plant Breeding I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Basic principles and methods used in the improvement of important agronomic and horticultural crops. (Fall, even years)

DEPARTMENT:

Agricultural Science

AGR546 - Integrated Pest Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Principles of plant pest control as related to developmental stages of crop plants. Evaluation of pest problems, alternative control methods and effects on the ecosystem. Emphasis on economic control of insect and disease vectors that affect agricultural crops. (Spring, even years)

DEPARTMENT:

Agricultural Science

AGR547 - Crop Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of the distribution, economic importance and management of forage, grain crops and tobacco. (Fall)

DEPARTMENT:

Agricultural Science

AGR549 - Weeds and their Control
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the introduction, methods of dissemination, reproduction and control of weeds by the most reliable methods and techniques. (Fall)

Prerequisites

AGR 160 or 240

DEPARTMENT:

Agricultural Science

AGR550 - Applied Pharmacology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced clinical principles, practices and procedures in the field of veterinary medicine.

Prerequisites

AGR 310, 332, eight hours of chemistry, and MAT 140 with a minimum grade of C in all prerequisite courses

DEPARTMENT:

Agricultural Science

AGR551 - Selected Studies in Agriculture
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

An intensive study of an agriculture topic that will vary from semester to semester. May be repeated to a maximum of six hours. (As demanded)

DEPARTMENT:

Agricultural Science

AGR552 - Agricultural Policy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The history, principles, setting objectives and means of policy as applied to agriculture in our society. (Spring)

Prerequisites

AGR 130

DEPARTMENT:

Agricultural Science

AGR554 - Soil and Plant Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the chemical and analytical procedures used on soils and plants along with instruction and theory of the use of common analytical equipment. Lecture, one hour; laboratory, four hours. (Fall)

Prerequisites

AGR 345

DEPARTMENT:

Agricultural Science

AGR555 - Advanced Soil Fertility
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The chemistry of the essential elements in soils and the use and the manufacturing processes of various fertilizer materials are considered. (Spring)

Prerequisites

AGR 345

DEPARTMENT:

Agricultural Science

AGR560 - Advanced Veterinary Surgery and Anesthesia
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Clinical principles, practices, and procedures involved in Veterinary Surgery and Anesthesia. There are two 3 hour labs per week. Because of the intensity and types of laboratories offered, there will be additional time required outside of the scheduled class time, for preparation, development of skills, and complete recovery of patients. Outside time will vary depending on particular laboratory.

DEPARTMENT:

Agricultural Science

AGR561 - Sustainable Agriculture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides an overview of natural resource sustainability in agriculture. It is designed to view the sustainability of food production at farms, community, regional, national and global levels. The topics will cover a variety of biological, ecological, social, cultural and economic topics within the framework of sustainability. Travel to local farms required.

DEPARTMENT:

Agricultural Science

AGR562 - Principles of Agroecology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to cover the basic ecological concepts and the application to agricultural practices and food production systems in the search for the sustainability or human and biological communities within dynamic and varied landscapes.

DEPARTMENT:

Agricultural Science

AGR563 - Arboriculture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Classification, identification and care of ornamental trees, shrubs and vines, including pruning, bracing, surgery, transplanting, insect and disease control, and fertilization, as related to large areas of organized plantings. Lecture, two hours; laboratory, two hours. Prerequisites: AGR 160, 263, and 363.

Prerequisites

AGR 160, 263, and 363

DEPARTMENT:

Agricultural Science

AGR564 - Public Garden Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of the principles involved with public garden management, plant curatorship, collection care, public education, facility design and long-range planning.

Prerequisites

AGR 263 or 363

DEPARTMENT:

Agricultural Science

AGR565 - Public Garden Management Practicum
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A hands-on work study course that allows for the management and maintenance of The Arboretum at Murray State and other horticulture components.

Prerequisites

AGR 160 and 564

DEPARTMENT:

Agricultural Science

AGR566 - Advanced Greenhouse Practicum
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the principles and practices used in the production of specific important greenhouse crops. Considerable emphasis will be placed on the manipulation of environmental conditions during production.

Prerequisites

AGR 360

DEPARTMENT:

Agricultural Science

AGR567 - Advanced Landscape Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The application of design theories, principles and elements to solve landscape design objectives and concerns for residential properties. Attention will be given to site analyses, client concerns, client relationships and contractual agreements while completing the design process.

Prerequisites

AGR 263, 363, 365, and 367; all prerequisites require a minimum grade of C

DEPARTMENT:

Agricultural Science

AGR569 - Interior Plantscaping
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

A study of the basic plants used for interior design and decoration. This study includes identification, nomenclature, growing requirements, insect and disease problems and proper use of these plants in interiors.

DEPARTMENT:

Agricultural Science

AGR570 - AG Systems Technology Lab Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is a study of theories involving agricultural mechanization and systems technology. Emphasis is placed on understanding the technology involved in operating, maintaining and managing power and machinery, electricity, precision agriculture, soil and water engineering, metallurgy and fabrication, and safety systems. Skill development emphasized. (Fall)

Prerequisites

AGR 170

DEPARTMENT:

Agricultural Science

AGR571 - Advanced Precision Agriculture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed for students who desire to apply and expand knowledge of the acquisition and analysis of geographically referenced data for the management of crop production systems, data formats, geographic information systems, grid sampling, soil fertility and physical properties, herbicide management, yield monitoring, variable-rate application, crop modeling and economics.

DEPARTMENT:

Agricultural Science

AGR572 - Advanced Metal Work
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Application of the principles of arc, MIG, TIG and oxyacetylene welding in design. Primarily for vocational agricultural teachers. Application of the principles of electric and oxyacetylene welding in design and construction of agricultural projects. (Spring, odd years)

DEPARTMENT:

Agricultural Science

AGR573 - Agricultural Processing System
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An analysis of systems and methods for harvesting, processing and storing agricultural products. Includes drying and curing principles, grinding, mixing, cleaning, sorting, material handling and structural environmental design. (Fall)

DEPARTMENT:

Agricultural Science

AGR574 - Agricultural Irrigation and Water Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Includes determining water needs, water sources, pumps, fundamental pipeline hydraulics and designing a complete irrigation and/or water system for the farm. (Spring, even years)

DEPARTMENT:

Agricultural Science

AGR575 - Combine and Grain Handling Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Developing a complete grain harvesting, handling, drying and storage operation. A study of combine operation and the materials flow concept, closed loop handling, psychrometrics, grain drying, drying methods, facility layout and facility management. Combine comparison, selection and utilization.

DEPARTMENT:

Agricultural Science

AGR576 - Agricultural Electrification
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of the basic principles of electricity, the fundamentals of wiring and selection, the operation and economics of agricultural electricity equipment. (Spring)

DEPARTMENT:

Agricultural Science

AGR577 - Tractor Power Principles
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of the principles governing the selection and application of tractors and power driven machines. Emphasis is placed on operating systems of engines, including compression, ignition and carburetion. Mechanical principles of tractors and preventive maintenance included. (Fall, odd years)

DEPARTMENT:

Agricultural Science

AGR578 - Research and Development of Agriculture Tractors and Equipment
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Tours of the major agriculture tractor and equipment industries. The tours include: research and development, engineering, foundries, and the assembly of engines, transmissions, final drives, combines, cotton pickers, and planting equipment. (Summer)

DEPARTMENT:

Agricultural Science

AGR580 - Veterinary Products
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course deals with old and new products currently available in the veterinary market. Market will include the ordering and purchasing of wholesale products, selling, inventory control, computer programming, marketing, and pricing of products utilized in a veterinary practice.

DEPARTMENT:

Agricultural Science

AGR582 - Veterinary Practice and Operations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will deal with the day to day events centered around the operation of a veterinary practice. Supervisory skills, communication skills, inventory, bookkeeping, planning, and advertising are the main areas stressed in this course.

DEPARTMENT:

Agricultural Science

AGR583 - Veterinary Law and Ethics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course deals with law and ethics in the veterinary profession. The course will include a basic understanding of law, professional liability, legality of veterinary drugs, ethics and how they pertain to the treatment of animals, and medical records.

DEPARTMENT:

Agricultural Science

AGR585 - Specialized Journalism/RTV
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Directed individual study. Can be a journalistic effort in areas such as science, sports, government, religion, graphics, etc., or a project in radio or television such as a major production or series, an extensive research project and paper, or other approved project.

Prerequisites

Permission of instructor and written approved proposal required prior to registration.

DEPARTMENT:

Agricultural Science

AGR586 - Training and Presentation Development Strategies for Agricultural Audiences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students enrolled in this course will plan presentations intended for agricultural audiences and situations. Students will also develop skills in organizing and offering agricultural employee training and professional development for others. Emphasis will be placed on training, teaching, and demonstrating technical agricultural content.

DEPARTMENT:

Agricultural Science

AGR590 - Internship in Animal Technology
CREDITS:

3 - 6

COURSE LEVEL:

Undergraduate

Description

Practical full-time work experience to be arranged through an animal-related facility during the fall, spring or summer session. Site to be arranged by the student and approved by the course coordinator. May be repeated for a total of six credit hours. (Fall, Spring or Summer)

Prerequisites

AGR 100, 300, 310, 322, 324, 331, 332, 540, and 550 all with a minimum grade of C

DEPARTMENT:

Agricultural Science

AGR595 - Integrated Agricultural Communications Strategies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will apply skills and strategies learned in AGR 385 and 585 to create a multi-faceted agricultural campaign for a project with local and regional significance.

Prerequisites

AGR 385 and 585

DEPARTMENT:

Agricultural Science

AGR599 - Agriculture Senior Capstone
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This is a senior capstone course culminating in students demonstrating general knowledge in the agriculture core curricula, demonstrating completed knowledge in the student's chosen option within agriculture science, and a lecture series from influential agriculture leaders. Students will also have an opportunity to share insight into the direction and future of the School of Agriculture by sharing comments on educational effectiveness. Refer to the Undergraduate Bulletin for a complete list of core and respective options courses within the Department of Agriculture Science.

Prerequisites

All agriculture science core classes and option classes must be completed with passing grades in the School of Agriculture

DEPARTMENT:

Agricultural Science

AGR602 - Advanced Nutrition
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of physical and chemical properties of feeds. Digestion, absorption and metabolism of nutrients and factors affecting these functions are emphasized. The nutrient requirements of farm animals and effects of nutrient deficiencies are also studied. (Fall)

DEPARTMENT:

Agricultural Science

AGR603 - Genetics and Animal Breeding
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study of hereditary traits in livestock, breeding designs, progeny testing and herd analysis. (Spring)

DEPARTMENT:

Agricultural Science

AGR604 - Diseases of Livestock
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Distribution, general nature, methods of dissemination, sanitation, prevention and eradication of common infectious and parasitic diseases of domestic animals; hygiene and preventive medicine, with emphasis on the transmissible diseases. (Fall)

DEPARTMENT:

Agricultural Science

AGR606 - Reproductive Physiology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the reproductive processes in mammals with primary emphasis on domestic farm animals. Will include the anatomy, endocrinology, behavior and general physiology of the reproductive processes. Artificial insemination, estrous control, ova transplants and other practical production practices will be covered. Lecture, two hours; laboratory, two hours.

DEPARTMENT:

Agricultural Science

AGR610 - Animal Anatomy and Physiology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Deals with the anatomy of body systems, how these systems interrelate, and the physiology of body organs. Species covered include porcine, bovine, equine, canine and feline. Three one-hour lectures per week. (Spring)

DEPARTMENT:

Agricultural Science

AGR611 - Animal Anatomy and Physiology Laboratory
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Deals with the anatomy of body systems, how these systems interrelate, and the physiology of body organs. Species covered include porcine, bovine, equine, canine and feline. Two hour laboratories twice per week. (Spring)

DEPARTMENT:

Agricultural Science

AGR612 - Beef Cattle Management Systems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of beef production, forage management and marketing systems. Lecture, one hour; laboratory, four hours. (Fall)

DEPARTMENT:

Agricultural Science

AGR614 - Teaching Methods in Animal/Equine Science
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course covers philosophy and objectives of teaching in the areas of livestock and equine management, science, production, or horsemanship. Concepts include preparing course syllabus and lesson plans, topic delivery and classroom management, knowledge and skill assessments, testing methods, and course evaluation techniques. Students will serve as a teaching assistant in an approved course and will be required to develop and conduct at least one lesson during the semester.

Prerequisites

Permission of instructor

DEPARTMENT:

Agricultural Science

AGR615 - Equine Exercise Physiology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course focuses on the study of conditioning the equine athlete using the basic principles of exercise physiology, energetics, kinetics, and sports medicine. Emphasis will be placed on equine anatomical and physiological adaptations to exercise, assessment of physical fitness and conditioning in horses, nutrition and feeding requirements of working animals, moral and ethical considerations related to equine performance, evaluation of common ailments, and current therapies used in equine sports medicine.

DEPARTMENT:

Agricultural Science

AGR619 - Equine Nutrition and Feeding
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course focuses on the study of anatomy and physiology of the gastro-intestinal system and its role in digestion and utilization of feeds with particular emphasis on the horse. Students will develop rations to feed various classes of horses and address the relationship of nutrition and health.

DEPARTMENT:

Agricultural Science

AGR623 - Artificial Insemination Techniques for Cattle
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Designed to train students to become competent A.I. technicians. Topics discussed will include reproductive processes, health, nutrition, facilities and management of breeding herd. Techniques concerning semen handling, heat synchronization and heat detection will be taught. Laboratories will be designed to give students actual experience in inseminating cattle. (Summer, with sufficient demand)

DEPARTMENT:

Agricultural Science

AGR627 - Modern Issues in Agricultural Leadership
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to provide the student with an understanding of contemporary issues in agriculture leadership, including theory and application of leadership ideas, relationships, hazards, emotional intelligence, and conflict management in the discipline of agriculture. Specifically, students will learn prominent theories and their appropriate applications in organizations. In addition, students will be exposed to a variety of real-world readings that will help formulate leadership strategies for various situations.

Prerequisites

Advisor approval

DEPARTMENT:

Agricultural Science

AGR628 - Agriculture, Food and Rural Law
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course designed to introduce students to laws and legal issues related to agriculture, agribusiness, and property as related to rural living and the food production system. It is not a course designed to give students legal advice and the material taught should not be interpreted as such. Topics to be covered include judicial process and types of law, tort law, and product liability related to agricultural enterprises and the food system, inheritance law, and other legal issues facing owners or operators of our nation's natural resources.

DEPARTMENT:

Agricultural Science

AGR629 - International Trade and Agriculture
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Changing role of U.S. agriculture in a dynamic world economy; national and international policies and institutions affecting agriculture; exchange rates, tariffs, and non-tariff barriers.

DEPARTMENT:

Agricultural Science

AGR630 - Advanced Agricultural Prices
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Methods of price analysis and forecasting. Index numbers, time series data commodity flows and statistical techniques as applied to price analysis. Special emphasis will be placed upon the use of commodity futures markets in estimating cash prices and in protecting producers from cash price fluctuations. (Fall, even years)

DEPARTMENT:

Agricultural Science

AGR631 - Agricultural Finance
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the needs and problems of financing farm and farm service businesses, including a study of credit institutions serving American agriculture. (Fall)

DEPARTMENT:

Agricultural Science

AGR632 - Farm and Land Appraisal
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the methods and procedures of land and farm property valuation with attention to appraisal programs of the credit and farm service institutions.

DEPARTMENT:

Agricultural Science

AGR633 - Production Economics for Agriculture
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The techniques and principles of production theory as applied to the organization and allocation of resources in agricultural production. (Spring)

DEPARTMENT:

Agricultural Science

AGR634 - Types and Systems of Farming and Agribusiness
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Includes a general statistical analysis of U.S. agriculture with attention to major agricultural regions of the nation and types of farming areas of Kentucky. Special emphasis is given to the organization of West Kentucky and regional farms and agribusinesses. Field trips, interviews and financial analysis of successful firms. (Summer, with sufficient demand)

DEPARTMENT:

Agricultural Science

AGR636 - Seminar in International Agriculture Systems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course designed to enhance student's understanding of international agriculture systems and how they relate to the overall impact on world food processing and production. An emphasis is placed on systems which have the potential to impact and add-value to American agriculture, as well as those which hold key relationships to U.S. based agricultural trade and food development.

DEPARTMENT:

Agricultural Science

AGR637 - Seminar in Agricultural Business Systems
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to enhance student's understanding of, and experience in, agricultural business systems. Emphasis will be placed on strategies of managing a successful agribusiness operation and /or farmer-owned cooperatives. Must be admitted to graduate studies prior to registering for this course to receive graduate credit.

Prerequisites

AGR 130

DEPARTMENT:

Agricultural Science

AGR638 - Seminar in Production Agricultural Systems
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Designed to enhance student's understanding of, and experience in, production agriculture systems and how they relate to a successful farming operation. An emphasis is placed on systems, which have the potential to impact and add-value to the local, regional and national agriculture economy, through classroom as well as laboratory experiences.

DEPARTMENT:

Agricultural Science

AGR640 - Veterinary Surgery and Anesthesia
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Clinical principles, practices and procedures involved in the field of veterinary medicine.

DEPARTMENT:

Agricultural Science

AGR641 - Crop Physiology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Basic principles of crop physiology; the effect of environment and management practice on physiological processes, growth and development of crops. (Spring, odd years)

DEPARTMENT:

Agricultural Science

AGR642 - Plant Breeding I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Basic principles and methods used in the improvement of important agronomic and horticultural crops. (Fall, even years)

DEPARTMENT:

Agricultural Science

AGR646 - Integrated Pest Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Principles of plant pest control as related to developmental stages of crop plants. Evaluation of pest problems, alternative control methods and effects on the ecosystem. Emphasis on economic control of insect and disease vectors that affect agricultural crops. (Spring, even years)

DEPARTMENT:

Agricultural Science

AGR647 - Crop Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study of the distribution, economic importance and management of forage, grain crops and tobacco. (Fall)

DEPARTMENT:

Agricultural Science

AGR649 - Weeds and their Control
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the introduction, methods of dissemination, reproduction and control of weeds by the most reliable methods and techniques. (Fall)

DEPARTMENT:

Agricultural Science

AGR650 - Applied Pharmacology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Advanced clinical principles, practices and procedures in the field of veterinary medicine.

Prerequisites

AGR 310, 332, and five hours of chemistry

DEPARTMENT:

Agricultural Science

AGR651 - Selected Studies in Agriculture
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

An intensive study of an agriculture topic that will vary from semester to semester. May be repeated to a maximum of six hours. (With sufficient demand.)

DEPARTMENT:

Agricultural Science

AGR652 - Agricultural Policy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The history, principles, setting objectives and means of policy as applied to agriculture in our society. (Spring)

DEPARTMENT:

Agricultural Science

AGR655 - Advanced Soil Fertility
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The chemistry of the essential elements in soils and the use and the manufacturing processes of various fertilizer materials are considered. (Spring)

DEPARTMENT:

Agricultural Science

AGR660 - Advanced Veterinary Surgery and Anesthesia
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Clinical principles, practices, and procedures involved in Veterinary Surgery and Anesthesia. There are two 3 hour labs per week. Because of the intensity and types of laboratories offered, there will be additional time required outside of the scheduled class time, for preparation, development of skills, and complete recovery of patients. Outside time will vary depending on particular laboratory.

DEPARTMENT:

Agricultural Science

AGR661 - Sustainable Agriculture
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides an overview of natural resource sustainability in agriculture. It is designed to view the sustainability of food production at farms, community, regional, national and global levels. The topics will cover a variety of biological, ecological, social, cultural and economic topics within the framework of sustainability. Travel to local farms required.

DEPARTMENT:

Agricultural Science

AGR662 - Principles of Agroecology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is designed to cover the basic ecological concepts and the application to agricultural practices and food production systems in the search for the sustainability or human and biological communities within dynamic and varied landscapes.

DEPARTMENT:

Agricultural Science

AGR663 - Advanced Arboriculture
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Classification, identification and care of ornamental trees, shrubs and vines, including pruning, bracing, surgery, transplanting, insect and disease control, and fertilization, as related to large areas of organized plantings. Lecture, two hours; laboratory, two hours. (Spring, odd years)

DEPARTMENT:

Agricultural Science

AGR664 - Advanced Public Garden Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An overview of the principles involved with public garden management, plant curatorship, collection care, public education, facility design and long-range planning.

DEPARTMENT:

Agricultural Science

AGR666 - Advanced Greenhouse Practicum
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the principles and practices used in the production of specific important greenhouse crops. Considerable emphasis will be placed on the manipulation of environmental conditions during production.

DEPARTMENT:

Agricultural Science

AGR667 - Advanced Landscape Design
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The application of design theories, principles and elements to solve landscape design objectives and concerns for residential properties. Attention will be given to site analyses, client concerns, client relationships and contractual agreements while completing the design process.

DEPARTMENT:

Agricultural Science

AGR669 - Advanced Interior Plantscaping
CREDITS:

2

COURSE LEVEL:

Graduate

Description

A study of the basic plants used for interior design and decoration. This study includes identification, nomenclature, growing requirements, insect and disease problems and proper use of these plants in interiors.

DEPARTMENT:

Agricultural Science

AGR670 - AG Systems Technology Lab Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is a study of theories involving agricultural mechanization and systems technology. Emphasis is placed on understanding the technology involved in operating, maintaining and managing power and machinery, electricity, precision agriculture, soil and water engineering, metallurgy and fabrication, and safety systems. Skill development emphasized. (Fall)

Prerequisites

AGR 170

DEPARTMENT:

Agricultural Science

AGR671 - Advanced Precision Agriculture
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Designed for students who desire to apply and expand knowledge of the acquisition and analysis of geographically referenced data for the management of crop production systems, data formats, geographic information systems, grid sampling, soil fertility and physical properties, herbicide management, yield monitoring, variable-rate application, crop modeling and economics.

DEPARTMENT:

Agricultural Science

AGR672 - Advanced Metal Work
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Application of the principles of arc, MIG, TIG and oxyacetylene welding in design. Primarily for vocational agricultural teachers. Application of the principles of electric and oxyacetylene welding in design and construction of agricultural projects. (Spring, odd years)

DEPARTMENT:

Agricultural Science

AGR673 - Agricultural Processing System
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An analysis of systems and methods for harvesting, processing and storing agricultural products. Includes drying and curing principles, grinding, mixing, cleaning, sorting, material handling and structural environmental design. (Fall, even years)

DEPARTMENT:

Agricultural Science

AGR674 - Agricultural Irrigation and Water Systems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Includes determining water needs, water sources, pumps, fundamental pipeline hydraulics and designing a complete irrigation and/or water system for the farm. (Spring, even years)

DEPARTMENT:

Agricultural Science

AGR675 - Combine and Grain Handling Systems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Developing a complete grain harvesting, handling, drying and storage operation. A study of combine operation and the materials flow concept, closed loop handling, psychrometrics, grain drying, drying methods, facility layout and facility management. Combine comparison, selection and utilization.

DEPARTMENT:

Agricultural Science

AGR678 - Research and Development of Agriculture Tractors and Equipment
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Tours of the major agriculture tractor and equipment industries. The tours include: research and development, engineering, foundries, and the assembly of engines, transmissions, final drives, combines, cotton pickers, and planting equipment. (Summer)

DEPARTMENT:

Agricultural Science

AGR679 - Unmanned Aerial Systems Applications in Agriculture
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The course will develop the student's knowledge and skills that are needed to safely exercise the privileges and responsibilities of a private pilot specifically to the area of agriculture. Course content includes instruction in aircraft systems, FAA regulations, US airspace systems, aircraft performance, aviation weather, flight requirements, flight safety and flight ethics related to agricultural tasks. Skills will be acquired through classroom activities, simulations, hands-on flight activities, and planning/completing agricultural missions. Agricultural field experiences may be expected.

DEPARTMENT:

Agricultural Science

AGR680 - Veterinary Products
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course deals with old and new products currently available in the veterinary market. Market will include the ordering and purchasing of wholesale products, selling, inventory control, computer programming, marketing, and pricing of products utilized in a veterinary practice. (Fall)

DEPARTMENT:

Agricultural Science

AGR682 - Veterinary Practice and Operations
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will deal with the day to day events centered around the operation of a veterinary practice. Supervisory skills, communication skills, inventory, bookkeeping, planning, and advertising are the main areas stressed in this course.

DEPARTMENT:

Agricultural Science

AGR683 - Veterinary Law and Ethics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course deals with law and ethics in the veterinary profession. The course will include a basic understanding of law, professional liability, legality of veterinary drugs, ethics and how they pertain to the treatment of animals, and medical records.

DEPARTMENT:

Agricultural Science

AGR686 - Training and Presentation Development Strategies for Agricultural Audiences
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Students enrolled in this course will plan presentations, apply appropriate presentation methods and techniques, and constructively critique presentations intended for agricultural audiences and situations. Students will also develop skills in organizing and offering agricultural employee training and professional development for others. Emphasis will be placed on training, teaching, and demonstrating technical agricultural content.

DEPARTMENT:

Agricultural Science

AGR690 - Internship in Animal Technology
CREDITS:

3 - 6

COURSE LEVEL:

Graduate

Description

Practical full-time work experience to be arranged through an animal-related facility during the fall, spring or summer session. Site to be arranged by the student and approved by the course coordinator. May be repeated for a total of six credit hours. (Fall, Spring or Summer)

DEPARTMENT:

Agricultural Science

AGR700 - Research in Agriculture
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

May be repeated for a total of six hours credit with approval of the department advisor. An approved proposal signed by the faculty member supervising the project must be submitted prior to registration. Requires a minimum GPA of 3.0. (Fall, Spring, or Summer)

DEPARTMENT:

Agricultural Science

AGR701 - Forage Management Systems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of forage production and management systems for livestock. (Fall)

DEPARTMENT:

Agricultural Science

AGR705 - Advanced Ration Formulation
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced study in formulating balanced diets to meet the requirements for lactation, growth and reproduction in livestock. Practice in formulating least-cost rations and designing feeding programs. (Spring)

DEPARTMENT:

Agricultural Science

AGR713 - Graduate Computer Applications
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive course designed to enhance the computer skills of agriculture students and to give them the skills necessary to generate useful information and solve a variety of agriculturally specific problems. Students receive instruction on advanced word processing concepts, budget generation, statistical analysis, agribusiness related software and global positioning systems in agriculture.

DEPARTMENT:

Agricultural Science

AGR720 - Experimental Design and Statistical Analysis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An introduction to planning and designing agricultural experiments, stating the objectives, describing the experiment, outlining the statistical analysis, and interpreting quantitative results. Topics include random sampling, normal distribution, student's test, analysis of variance, mean separation, chi-square and simple regression analysis. (Fall)

DEPARTMENT:

Agricultural Science

AGR722 - Graduate Capstone Seminar
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Reports concerning research projects, creative components, thesis defense, and/or work experience including student and/or faculty discussions. Graduate students must enroll in this course during the last semester of graduate enrollment.

Prerequisites

Admission to the agriculture graduate program

DEPARTMENT:

Agricultural Science

AGR735 - Research Methodology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Selection, planning and conduct of investigation with reference to alternative scientific methods. Oriented toward all the disciplines of agriculture. Students present research problems coordinated with their advisor. (Fall)

DEPARTMENT:

Agricultural Science

AGR739 - Agribusiness Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the problems confronting agricultural marketing agencies and an application of alternative techniques of analyzing these problems; integration, new technology, selling, purchasing, warehousing, etc. (Summer, with sufficient demand)

DEPARTMENT:

Agricultural Science

AGR744 - Graduate Cooperative Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

May be repeated to a maximum of six credits. Graded pass/fail.

DEPARTMENT:

Agricultural Science

AGR745 - Biotechnology and Agriculture
CREDITS:

3

COURSE LEVEL:

Graduate

Description

With the use of biotechnology, many new agricultural products are entering the market. This course is a descriptive study of biotechnology and its use in the production of these new products. The class would include basic information about this technology, current capabilities, current limitations, and future prospects.

DEPARTMENT:

Agricultural Science

AGR748 - Weed Science
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of specific problem weeds of the region, their growth habits, life cycles, competitive effects, and the mode of action of herbicides used in their control.

DEPARTMENT:

Agricultural Science

AGR751 - Impacts of Climate Change
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the science of climate change and its impacts on agriculture, including farming, ocean life, and wildlife. The purpose of this course is to introduce students to the basics of climate change and its impacts on agriculture including how it will affect the future of agriculture and introducing potential actions to mitigate impact. Field trips may be required.

DEPARTMENT:

Agricultural Science

AGR776 - Advanced Agricultural Electrification
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Troubleshooting and repair of electric motors and controls. Their utilization in handling and processing of agricultural products. Lecture, one hour; laboratory, four hours. (Fall, odd years)

DEPARTMENT:

Agricultural Science

AGR777 - Advanced Tractor Power Principles
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Analysis of agricultural machines, power units and equipment. Securing, adjusting and preventive maintenance in order to obtain maximum efficiency. Lecture, one hour; laboratory, four hours. (Fall, odd years)

DEPARTMENT:

Agricultural Science

AGR798 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

N/A

DEPARTMENT:

Agricultural Science

AGR799 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

N/A

DEPARTMENT:

Agricultural Science

ANT: Anthropology

ANT140 - Exploring World Cultures
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the diverse ways human societies are organized with an analysis of how their cultures meet the common and distinctive needs of these societies, with emphasis placed upon non-literate peoples.

DEPARTMENT:

Earth and Environmental Sciences

ANT145 - Introduction To Museum Work
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to be an introduction to various facets of museum work, including museum administration, public relations work, fund raising, collection registration, exhibit production, deed of gifts, security, curation, and cataloguing and accessioning systems.

DEPARTMENT:

Earth and Environmental Sciences

ANT311 - Anthropology of Complex Societies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An analysis of a range of societal types from sedentary tribes to chiefdoms to states. Primary emphasis will be placed on the processes that lead to the emergence of complex societies, the development of urbanism, and the comparative and cross-cultural perspective.

Prerequisites

ANT 140

DEPARTMENT:

Earth and Environmental Sciences

ANT315 - Special Topics in Anthropology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This seminar will cover an important topic or related topics. Both student and faculty interest will determine the topic. Students will both contribute and lead discussions of the readings. Research paper is required. May be repeated for a maximum of nine credit hours.

DEPARTMENT:

Earth and Environmental Sciences

ANT320 - Human Ecology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ARC320 - Human Ecology

Description

A cross-cultural examination of the influences that different environments have on biological and cultural adaptation. Focus will be given to environmental reconstruction, settlement patterns, land use, and the effects of migration and mobility on ancient and modern human populations. Current ecological and anthropological theories will be utilized to examine social evolution from hunting/gathering, pastoral, horticultural, agricultural, and industrial societies throughout human history.

Prerequisites

ANT 140

DEPARTMENT:

Earth and Environmental Sciences

ANT325 - Biological Anthropology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

BIO325 - Biological Anthropology

Description

The biological nature of man. A survey of man's physical origin, his primate background, and his evolution. Cultural association with fossil evidence and concepts of race.

DEPARTMENT:

Earth and Environmental Sciences

ANT329 - North American Indians
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to Native American cultures north of Mexico. This course entails a survey of the cultural traditions of the indigenous populations of North America. Emphasis will be placed on traditional lifeways and the consequences of interactions between Native Americans and Euro-American populations.

DEPARTMENT:

Earth and Environmental Sciences

ANT343 - Race and Ethnicity
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

SOC343 - Race and Ethnicity

Description

Identity, goals, and organization of racial and ethnic groups; dynamics of racism and ethnocentrism; and processes of communication, conflict, and accommodation.

DEPARTMENT:

Earth and Environmental Sciences

ANT344 - The Black Experience
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

-

Description

An analysis of the African American way of life utilizing anthropological and historical approaches. Major themes in black culture will include religion, family relations and political empowerment. Biographical, autobiographical and ethnographic materials will be utilized.

DEPARTMENT:

Earth and Environmental Sciences

ANT355 - Pottery and People
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ARC355 - Pottery and People

Description

Course will explore the diverse ways that people have and continue to incorporate ceramics into their daily lives. Topics that will be examined include resource acquisition strategies, craft production, distribution, and use of pottery. Examples will draw on modern ethnographic and archaeological case studies involving potters. Analysis of pottery will focus on the approaches to the classification of ceramics, inferences about their production and social contexts from archaeological specimens, ethnographic analogy, and experimental studies.

Prerequisites

ARC 150

DEPARTMENT:

Earth and Environmental Sciences

ANT356 - The Art of Non-Western Cultures
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

GDS356 - The Art of Non-Western Cultures
RGS356 - The Art of Non-Western Cultures

Description

Study of the arts of Asia, Oceania, Africa and the Pre-Western Americas. (Same as GDS, RGS 356.)

DEPARTMENT:

Earth and Environmental Sciences

ANT390 - Anthropology of Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of how anthropologists use their knowledge to solve special social, technical, and environmental problems. Topics to be covered include the history of applied anthropology, the ethics of externally directed change and advocacy, and the explanation of how and why behavioral systems differ and change. Examples will be drawn from national and international development contexts that reflect topics pertinent to people and their livelihoods, including global health and inequality, identity and heritage tourism, modernization, globalization, and sustainability.

Prerequisites

Any one of the following: ANT 140, ARC 150, BIO 103, ECO 140, ECO 410, EES 110, GDS 201, POL 250, SOC 133, or SOC 231

DEPARTMENT:

Earth and Environmental Sciences

ANT488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Earth and Environmental Sciences

ANT489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of chair

DEPARTMENT:

Earth and Environmental Sciences

ANT500 - Directed Studies
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Selected topics in anthropology as arranged by the student and a professor. May be repeated up to nine hours credit.

Prerequisites

Minimum of 12 earned credits in anthropology and permission of department chair

DEPARTMENT:

Earth and Environmental Sciences

ANT596 - The Minority Elderly
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

GTY596 - The Minority Elderly

Description

This course focuses on the minority elderly including racial, ethnic and lower income groups. Applicable concepts and theories in social gerontology will also be covered.

Prerequisites

Minimum of 9 earned credits in anthropology, gerontology or sociology

DEPARTMENT:

Earth and Environmental Sciences

ARC: Archaeology

ARC150 - Introduction to Archaeology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of archaeology's contribution to humankind's knowledge of prehistoric and historic development on a worldwide basis with emphasis placed upon discoveries rather than methods of archaeology. ARC 150 will not fulfill the requirements of HON 150.

DEPARTMENT:

Earth and Environmental Sciences

ARC300 - Archaeological Method and Theory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

History theory, and methods of archaeology; introduction to problems and techniques of field and laboratory research (mapping, recording, artifact classification, reporting). Lectures and laboratory sessions.

Prerequisites

ARC 150

DEPARTMENT:

Earth and Environmental Sciences

ARC302 - Archaeological Field Work I
CREDITS:

1 - 6

COURSE LEVEL:

Undergraduate

Description

Field training in the strategy and tactics of archaeological survey and excavation; intensive instruction in the recovery and documentation of cultural remains and data from archaeological sites. Six weeks continuous field work. Usually offered only during summer session. May not be repeated.

Prerequisites

ARC 150 and 300

DEPARTMENT:

Earth and Environmental Sciences

ARC304 - Archaeological Laboratory Methods
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Practical training in the organization and methods of archaeological laboratory procedures. Instruction in processing, cataloguing, preliminary analysis, and preparation for curation/archival storage of cultural remains and records resulting from archaeological field work. Repeatable for a maximum of three credits.

Prerequisites

ARC 150 and 302

DEPARTMENT:

Earth and Environmental Sciences

ARC306 - Landscapes of the National Parks
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EES306 - Landscapes of the National Parks

Description

This course explores the most distinctive and intriguing features of America's national parks. Emphasis is placed on the geology, ecology, and archaeology of each park, with emphasis placed on how each of these components influences the other in a dynamic feedback system. One Saturday field trip will be required.

Prerequisites

EES 102

DEPARTMENT:

Earth and Environmental Sciences

ARC314 - Sediments and Soils
CREDITS:

4

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EES314 - Sediments and Soils

Description

An in depth study of sediments and soils. Emphasis will be on the geologic formation, interpretation, and significance of sediments and soils in a variety of geologic, environmental, and archaeological contexts. Three hours lecture and two hours laboratory per week plus one required Saturday field trip.

Prerequisites

EES 102

DEPARTMENT:

Earth and Environmental Sciences

ARC315 - Special Topics in Archaeology
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Seminar will cover an important topic or related topics. Both student and faculty interest will determine the topic. Students will contribute to class through discussions of assigned readings and research. The course has variable credit and may be repeated three times for a total of nine credit hours.

Prerequisites

ANT 140 or ARC 150

DEPARTMENT:

Earth and Environmental Sciences

ARC320 - Human Ecology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ANT320 - Human Ecology

Description

A cross-cultural examination of the influences that different environments have on biological and cultural adaptation. Focus will be given to environmental reconstruction, settlement patterns, land use, and the effects of migration and mobility on ancient and modern human populations. Current ecological and anthropological theories will be utilized to examine social evolution from hunting/gathering, pastoral, horticultural, agricultural, and industrial societies throughout human history.

Prerequisites

ANT 140

DEPARTMENT:

Earth and Environmental Sciences

ARC321 - Ancient Civilizations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth anthropological, archeological and historical examination of the origins of seven of the world's earliest civilizations (Southwest Asia, Egypt, India, China, Mesoamerica, Andean and North American).

DEPARTMENT:

Earth and Environmental Sciences

ARC325 - Hunter-Gatherer Ethnoarchaeology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Hunting and gathering constituted the way of life for all humans during the majority of human evolution. This course is an examination of variability in adaptations of modern hunter-gatherer societies on a global scale, emphasizing subsistence, mobility, and social organization. The study of modern societies serves as the basis for understanding the adaptations of prehistoric hunter-gatherers.

Prerequisites

ANT 140 or ARC 150

DEPARTMENT:

Earth and Environmental Sciences

ARC330 - North American Archaeology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of prehistoric North American Indian cultures from 15,000 B.C. through historic contact. Emphasis placed on archaeological cultural histories of North America.

Prerequisites

ARC 150

DEPARTMENT:

Earth and Environmental Sciences

ARC335 - Forensic Archaeology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the methods used by forensic anthropologists to determine the identity, age, sex and race of an individual from skeletal remains using archaeological and anthropological field and laboratory methods.

Prerequisites

ARC 150

DEPARTMENT:

Earth and Environmental Sciences

ARC340 - Archaeology of Africa
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the archaeology of Africa, from human origins to the historic period. Emphasis placed on the archaeological evidence of African culture history before the advent of European colonization.

DEPARTMENT:

Earth and Environmental Sciences

ARC345 - Archaeology of Ancient Mexico, Central America, and the Caribbean
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will introduce students to the cultures of Ancient Mesoamerica and the Caribbean using data primary recovered from archeological sites. The focus will be on the prehispanic and contact-era societies of the two regions.

DEPARTMENT:

Earth and Environmental Sciences

ARC350 - Public Archaeology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to the philosophy and mechanics of modern Cultural Resource Management (CRM), primarily from an archaeological perspective. Emphasis will be placed on gaining practical working knowledge of CRM legislation, regulation, and process, as well as balancing business, research, ethics, and public interest issues. Two Saturday field trips will be required.

Prerequisites

ARC 150

DEPARTMENT:

Earth and Environmental Sciences

ARC355 - Pottery and People
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ANT355 - Pottery and People

Description

Course will explore the diverse ways that people have and continue to incorporate ceramics into their daily lives. Topics that will be examined include resource acquisition strategies, craft production, distribution, and use of pottery. Examples will draw on modern ethnographic and archaeological case studies involving potters. Analysis of pottery will focus on the approaches to the classification of ceramics, inferences about their production and social contexts from archaeological specimens, ethnographic analogy, and experimental studies.

Prerequisites

ARC 150

DEPARTMENT:

Earth and Environmental Sciences

ARC357 - Lithic Analysis
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course will introduce students to the technology and principles of stone tool manufacture, the identification and classification of stone tools and debitage, and the primary methods of lithic analysis employed in archaeological research. The course will consist of three hours of lecture and two hours of laboratory per week.

Prerequisites

ARC 150

DEPARTMENT:

Earth and Environmental Sciences

ARC360 - Historical Archaeology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A methodological survey of the archaeology of historical societies, with geographic concentration on North America. Emphasis on research strategies and special problems in the archaeological study of literate societies.

Prerequisites

ARC 150

DEPARTMENT:

Earth and Environmental Sciences

ARC370 - Archaeology of the Eastern Woodlands
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An intensive examination of eastern U.S. prehistory from 12,000 B.C. through A.D. 1700, covering major cultural traditions, e.g. Paleo, Archaic, Woodland (Adena and Hopewell), and post-Woodland Indian groups (Ft. Ancient and Mississippian). Course includes the study of general Midwestern U.S. and southeastern prehistory.

Prerequisites

ARC 150

DEPARTMENT:

Earth and Environmental Sciences

ARC380 - Gender Archaeology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the history and theory of gender archaeology, including what men, women, and children were doing in the past. Attention to gender promotes a more detailed study of the complexity and diversity of past cultures and the interaction of all gender and age groups.

Prerequisites

ARC 150

DEPARTMENT:

Earth and Environmental Sciences

ARC385 - Archaeology of Eastern Asia
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the archaeology of Eastern Asia, from human origins to the historic period. Emphasis is placed on the archaeological evidence from the emergence of East Asian complex societies and culture history before the advent of European contact.

Prerequisites

ARC 150

DEPARTMENT:

Earth and Environmental Sciences

ARC389 - Archaeology and Political Ecology of Empires
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will explore empires from an archaeological and political-ecological perspective. Will examine cross-cultural examples from the ancient, historic, and modern Old and New Worlds, and consider the dynamic culture contacts that occurred as those worlds collided during the era of global exploration and subsequent periods. We will pay particular attention to the historical, ecological, and cultural contexts important to imperial formation, the reasons for expansion, the strategies used during expansion, as well as the variable outcomes of expansion and subsequent colonial and post-colonial administration.

Prerequisites

ARC 150 or ANT 140 or HIS 202 or POL 252

DEPARTMENT:

Earth and Environmental Sciences

ARC390 - Geoarchaeology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EES390 - Geoarchaeology

Description

Survey of geological methods and techniques used to answer archaeological research questions. Topics covered include sedimentary and geomorphic processes, depositional environments, site formation processes, environmental reconstruction, and radiometric dating techniques. One Saturday field trip will be required.

Prerequisites

ARC 150 and EES 101

DEPARTMENT:

Earth and Environmental Sciences

ARC395 - Archaeology of Religion
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS395 - Archaeology of Religion

Description

A survey of the archaeological evidence for religions throughout the world, from the earliest expressions of spirituality to the modern world religions. Emphasis is placed on the archaeological evidence for recognizing religious expressions in general, and for the emergence of modern world religions. Archaeological interpretations of New World, African, and Australian religions will be considered in comparative perspective. Fieldwork to a house of worship or cemetery will be required.

Prerequisites

ARC 150

DEPARTMENT:

Earth and Environmental Sciences

ARC402 - Archaeological Field Work II
CREDITS:

1 - 5

COURSE LEVEL:

Undergraduate

Description

Advanced field training in the methods of archeological survey and excavation; intensive instruction in the recovery and documentation of cultural remains and data from archeological sites, emphasizing individual initiative. One or more weeks of continuous field work (generally equivalent to one credit hour per every 37.5 hour week in the field.) Usually offered during summer session or during breaks. May not be repeated.

Prerequisites

ARC 302

DEPARTMENT:

Earth and Environmental Sciences

ARC425 - Advanced Archaeological Laboratory Methods
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced training in the analysis of archaeological materials and writing of an archaeological study for professional presentation and publication.

Prerequisites

ARC 300 and 304

DEPARTMENT:

Earth and Environmental Sciences

ARC488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of each student, for which he/she may receive both academic credit and financial remuneration. May be repeated for a maximum of six hours for any 488/489 course. Graded pass/fail.

Prerequisites

Permission of instructor

DEPARTMENT:

Earth and Environmental Sciences

ARC489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Continuation of ARC 488. A meaningful, planned, and evaluated work experience related to the career and educational objectives of each student, for which he/she may receive both academic credit and financial remuneration. May be repeated for a maximum of six hours for any 488/489 course.

Prerequisites

Minimum of 3 earned hours in ARC 488 and permission of instructor

DEPARTMENT:

Earth and Environmental Sciences

ARC498 - Museum Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS498 - Museum Studies

Description

This course will provide a broad introduction to the field of museum work. Topics included will be the history and philosophy of museums; the social, economic and political trends that shape museums; the staffing, management and financing of museums; and the multiple functions of museums ' collection and care of objects, exhibition design and interpretation, educational programs, research activities and public relations.

DEPARTMENT:

Earth and Environmental Sciences

ARC500 - Directed Studies
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Selected topics in archaeology as arranged by the student and a professor. May be repeated for up to nine hours.

Prerequisites

Minimum of 12 earned hours of archaeology credit and permission of department chair

DEPARTMENT:

Earth and Environmental Sciences

ARC501 - History of Archaeological Thought
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A historical overview of the history and development of archeological thought from ancient times to the modern world.

Prerequisites

ARC 300

DEPARTMENT:

Earth and Environmental Sciences

ARC510 - Advanced Archaeological Field Work
CREDITS:

1 - 5

COURSE LEVEL:

Undergraduate

Description

Advanced field training in the strategy and tactics of archaeological survey and excavation. Intensive instruction in recovery and documentation of cultural remains and data from archaeological sites, the organization and logistics of archaeological field projects, and supervision of field crews. One or more weeks of continuous field work (generally equivalent to one credit hour per every 37.5 hour week in the field). Usually offered only during the summer session. May be repeated for up to five hours of credit.

Prerequisites

ARC 402

DEPARTMENT:

Earth and Environmental Sciences

ARC555 - Archaeology of the Mid-South Region
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth study of prehistoric cultures of the Mid-South Region.

Prerequisites

ARC 300, 330, and 370

DEPARTMENT:

Earth and Environmental Sciences

ARC556 - Geophysical Surveying
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EES556 - Geophysical Surveying

Description

An overview of the application of terrestrial geophysical survey techniques and aerial remote sensing techniques in archaeological research. Emphasis will be placed on terrestrial geophysical survey methods with hands-on training in the use of instruments such as ground-penetrating radar and magnetic gradiometer. Weekend field trips to local archaeological sites are required.

Prerequisites

ARC 300

DEPARTMENT:

Earth and Environmental Sciences

ARC600 - Graduate Seminar in Archaeology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An examination of the development and current state of archaeological method and theory as well as consideration of current archaeological paradigms in the broader context of anthropology. Development of the practical archaeological research project.

DEPARTMENT:

Earth and Environmental Sciences

ARC602 - Graduate Archaeological Field Work
CREDITS:

1 - 5

COURSE LEVEL:

Graduate

Description

Advanced field training for graduate students in the methods of archaeological survey, excavation, sampling, and data collection and recording. Intensive instruction in recovery and documentation of cultural remains and data from archaeological sites, the organization and logistics of archaeological field work, and supervision of archaeological field crews. One or more weeks of continuous field work (generally equivalent to one credit hour per every 37.5 hour week in the field.) Usually offered only during the summer session. May be repeated for up to five hours of credit.

DEPARTMENT:

Earth and Environmental Sciences

ARC604 - Archaeological Laboratory Systems
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Practical training in the organization and methods of archaeological laboratory procedures. Instruction in processing, cataloguing, preliminary analysis, preparation for curation/archival storage, and design of digital archives of cultural remains and records resulting from archaeological field work.

Prerequisites

Permission of instructor

DEPARTMENT:

Earth and Environmental Sciences

ARC605 - Archaeological Information Systems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An exploration of the use of computer applications in archaeology, including data base design and management, electronic publication and digital archiving, use of internet resources, virtual archaeology, and predictive modeling with GIS and CAD mapping techniques.

DEPARTMENT:

Earth and Environmental Sciences

ARC610 - Landscape Archaeology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A survey of the concepts and methods of landscape archaeology, and its relationship with historical geography and historical ecology. The class will emphasize the investigation of cultural values embedded in landscapes and the ecological interactions of human societies and their environments as evident in the archaeological record.

DEPARTMENT:

Earth and Environmental Sciences

ARC615 - Environmental Archaeology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The study of past human interactions with the natural world, including plants, animals, climate, and landscapes. Three hours lecture and two hours laboratory per week.

DEPARTMENT:

Earth and Environmental Sciences

ARC620 - Human Ecology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A cross-cultural examination of the influences that different environments have on biological and cultural adaptation. Focus will be given to environmental reconstruction, settlement patterns, land use, and the effects of migration and mobility on ancient and modern human populations. Current ecological and anthropological theories will be utilized to examine social evolution from hunting/gathering, pastoral, horticultural, agricultural, and industrial societies throughout human history.

DEPARTMENT:

Earth and Environmental Sciences

ARC656 - Geophysical Surveying
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

EES656 - Geophysical Surveying

Description

An overview of the application of terrestrial geophysical survey techniques and aerial remote sensing techniques in archaeological research. Emphasis will be placed on terrestrial geophysical survey methods with hands-on training in the use of instruments such as ground-penetrating radar and magnetic gradiometer. Weekend field trips to local archaeological sites are required.

DEPARTMENT:

Earth and Environmental Sciences

ART: Art and Design

ART100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area of major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Introductory seminar for all first-semester art majors, including transfer students. Graded pass/fail.

DEPARTMENT:

Art and Design

ART101 - Drawing I: Introduction to Drawing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Drawing with an emphasis on the development of visual perception. Six hours per week.

DEPARTMENT:

Art and Design

ART105 - Studio Art For Non-Majors
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to introduce students to a variety of studio practices. Students will learn artistic techniques as well as visual literacy. The specifics of techniques and themes taught each semester varies based on the instructor, each of whom has an expertise in one of our studio areas: woodworking, painting, sculpture, ceramics, metalsmithing, printmaking, graphic design, photography, and drawing.

DEPARTMENT:

Art and Design

ART111 - Studio Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Studio Practice introduces students to a broad variety of basic materials, methods and concepts used in contemporary art practice, including modes of working which focus on surface (two-dimensional), space (three-dimensional) and time (four-dimensional). Ideation, design and critique are emphasized, along with the development of basic skill with hand and digital tools, and the development of an interdisciplinary workflow. Six hours per week.

DEPARTMENT:

Art and Design

ART112 - Studio Research
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Studio Research introduces students to research and theme-based approaches to art making, including modes of working that focus on surface (two-dimensional), space (three-dimensional) and time (four-dimensional). Research of contemporary artists, topics, and themes will be emphasized, as well as collaborative approaches to art making, the public engagement of art and artists, and the development of a creatively self-sustaining art practice. Six hours per week.

DEPARTMENT:

Art and Design

ART113 - Digital Foundations in Art
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the use of digital software and technology as a creative tool in contemporary artmaking. Students will learn the basics of digital collage, digital drawing, video editing, and sound design. A strong emphasis will be placed on mastering the elements and principles of design through the use of design theory and relevant historical and contemporary works of art.

DEPARTMENT:

Art and Design

ART121 - Art and Visual Culture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Surveys the various aspects of the visual and functional arts and their relationship to human life and society. A variety of art forms from different cultures and historical periods will be studied. Does not count toward art history minor. A student cannot have credit for both ART 121 and HON 161.

DEPARTMENT:

Art and Design

ART201 - Drawing II: Life Drawing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Figure drawing in varied media. Six hours per week.

Prerequisites

ART 101

DEPARTMENT:

Art and Design

ART211 - A Survey of Art from Antiquity to the Baroque
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the history of art from Prehistory through the Baroque (17th century).

DEPARTMENT:

Art and Design

ART212 - A Survey of Art from the Enlightenment to the Present
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the history European and Euro-American art from the Enlightenment (18th century) to the present with a global perspective.

DEPARTMENT:

Art and Design

ART213 - Art of Global Cultures
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the visual arts and other cultural production of the Middle East, Asia, Oceania, North and South America, and Africa, informed by religious practices, belief systems, and cultural practices of various civilization outside the European tradition (Fall).

DEPARTMENT:

Art and Design

ART290 - Special Problems in Studio Art
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

An independent problems course in studio art for undergraduates majoring in art under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to registration. May be repeated three times for credit.

Prerequisites

Consent of supervising faculty member and permission of department chair

DEPARTMENT:

Art and Design

ART298 - Mid-Degree Review Seminar
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Assessment and enhancement of students' progress through weekly readings and discussions of issues in art and design, student writings about their own work, and a critique of their art by a jury of Art and Design faculty. Undergraduate and transfer students pursuing a baccalaureate degree in art must register for ART 298 immediately following the completion of 30 credit hours in art.

DEPARTMENT:

Art and Design

ART300 - Drawing III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A conceptual study of both figurative and abstract approaches to drawing. Six hours per week.

Prerequisites

ART 101 and 201

DEPARTMENT:

Art and Design

ART303 - Drawing IV
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Exploration of drawing ideas with emphasis on the development of personal expression. Six hours per week.

Prerequisites

ART 300

DEPARTMENT:

Art and Design

ART304 - Drawing V
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continuation of ART 303. Six hours per week.

Prerequisites

ART 303

DEPARTMENT:

Art and Design

ART309 - Introduction to Metalsmithing I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Metals in jewelry-making, holloware, small sculpture, and object-making with an emphasis on design and craftsmanship. Six hours per week.

Prerequisites

ART 101 and 112

DEPARTMENT:

Art and Design

ART310 - Introduction to Woodworking I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to woodworking material, tools, and processes. Properties of wood and safe shop practices are emphasized. Six hours per week.

Prerequisites

ART 112

DEPARTMENT:

Art and Design

ART311 - Metalsmithing II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to several casting techniques as well as a continuation of skills learned in ART 309. Six hours per week.

Prerequisites

ART 309

DEPARTMENT:

Art and Design

ART312 - Metalsmithing III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced problems in metal-smithing with an emphasis in ideation and conceptualization of content. Six hours per week.

Prerequisites

ART 311

DEPARTMENT:

Art and Design

ART313 - Woodworking II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Methods of construction and technique will be taught with an emphasis on proficiency in machine use. Six hours per week.

Prerequisites

ART 310

DEPARTMENT:

Art and Design

ART314 - Woodworking III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced problems in woodworking. Introduction to increasingly complex joinery methods with an emphasis on development of personal voice. Six hours per week.

Prerequisites

ART 313

DEPARTMENT:

Art and Design

ART315 - Greek and Roman Art
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Topics in the history of the art and architecture of ancient Greece and Rome through the late Antique.

DEPARTMENT:

Art and Design

ART316 - Medieval Art
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS417 - Medieval Art

Description

Topics in the history of art from the Early Christian through the Gothic period.

DEPARTMENT:

Art and Design

ART318 - Renaissance Art
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Topics in the history of the Renaissance.

DEPARTMENT:

Art and Design

ART319 - Baroque Art
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Topics in the history of the art of the Baroque period, mainly in Europe.

DEPARTMENT:

Art and Design

ART328 - Nineteenth-Century Art
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

History of art of the long nineteenth century that focuses on European and Euro-American art with a global perspective.

DEPARTMENT:

Art and Design

ART329 - Art from 1900 to 1960
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

History of Western art from 1900 to 1960 that focuses on European and Euro-American art with a global perspective. This class will consider the beginnings of modernism and the avant-gardes alongside larger developments of modernity.

DEPARTMENT:

Art and Design

ART330 - Introduction to Painting I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students discover the properties and possibilities of color using oil-based paints and mediums in this course. The course introduces essential materials and methods of oil painting, emphasizing proficiency in both color theory and in painting from observation in order to achieve a believable sense of light and space using both direct and indirect painting techniques. Six hours per week. Required course for teacher certification.

Prerequisites

ART 101

DEPARTMENT:

Art and Design

ART333 - Painting II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Building on Skills learned in ART 330, students in this course expand their thinking about painted language. Assignments broaden each student's mark-making capacity and promote critical thinking about the composition, scale, material, and format of paintings. Students gain increased knowledge about various techniques, processes, and practices used by contemporary painters as they experiment with a range of treatments of pictorial space. Six hours per week.

Prerequisites

ART 330

DEPARTMENT:

Art and Design

ART334 - Painting III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Proficiency and effectiveness of formal decision-making about composition, mark-making, and color is refined and used to introduce content through painting. Surveys narrative, expressive, and conceptual approaches in contemporary painting. Emphasis on successful communication of ideas through developing a sophisticated relationship between form and context. Six hours per week.

Prerequisites

ART 333

DEPARTMENT:

Art and Design

ART341 - Inclusive Art Education for Diverse Learners
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will examine the design, implementation, and assessment of visual arts instruction with the diverse learner in mind. Teacher candidates will synthesize knowledge of learning theories, technology, and evidence-based practices, including classroom management, to develop units of study and lesson plans for K-12 art instructions. The course will introduce candidates to federal laws and guidelines addressing diverse students (e.g. Special Education, ELL, Gifted and Talented) and how these apply to K-12 art classrooms. Clinical experiences required. Six hours per week.

Prerequisites

EDU 280 and HUM 180 and ART 343 or equivalent course all with a B or higher

DEPARTMENT:

Art and Design

ART342 - Effective Pedagogy of Art Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Teacher candidates will design and implement culturally relevant, developmentally-appropriate visual arts instruction for all students. Candidates will apply content knowledge, educational philosophies, learning theories, differentiated instruction, classroom management strategies, effective assessment practices, instructional technology, co-teaching strategies, student advocacy, and content-area literacy. Emphasis will be placed on roles of teachers, students, parents, school, and community as educational partners. Clinical experiences required. Six hours per week.

Prerequisites

ART 341 or equivalent course with a B or higher

Corequisites

SEC 420

DEPARTMENT:

Art and Design

ART343 - Materials and Techniques for the Classroom
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A studio art education course emphasizing visual learning in all curricular areas of the elementary classroom. This course provides prospective elementary art teachers, classroom teachers, early childhood educators, and special education teachers with the necessary art making skills in a variety of media and techniques. Class sessions include demonstration, experimentation, and manipulation of materials and techniques leading to reflective decision-making as well as critical assessment of finished work. Six hours per week.

Prerequisites

EDU 180 or HUM 180

DEPARTMENT:

Art and Design

ART344 - Community-Based Art Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Through this course, students will develop an understanding of the capacities and practical applications of teaching the visual arts in community settings such as museums, community centers, after school programs, and informal spaces. Students will identify the social significance of art education, analyze current community-based art education programs, and develop skills to contribute to the field through their own creative work. Students will also participate in a service-learning teaching practicum experience in which they plan, implement, and evaluate an innovative arts program in the community. Six hours per week.

Prerequisites

ART 101 or ART 105 or ART 111 or ART 112 or HON 161

DEPARTMENT:

Art and Design

ART350 - Introduction to Graphic Design I: Digital Art
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to the computer as a tool for fine art and illustration. Students are taught computer techniques and approaches to creating art. Six hours per week.

Prerequisites

ART 101 and 111

DEPARTMENT:

Art and Design

ART351 - Graph Design II: Type And Image
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

GCM351 - Graphic Communication Processes

Description

Introduction to type and image production for graphic design. Students learn traditional and computer based problem-solving techniques. Six hours per week.

Prerequisites

ART 350

DEPARTMENT:

Art and Design

ART352 - Graph Design III:Layout and Introduction to Design Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Intermediate level study in graphic design focusing on layout for publication. Six hours per week.

Prerequisites

ART 350 (ART 351 is also recommended)

DEPARTMENT:

Art and Design

ART353 - Web Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is intended to continue and emphasize the concepts and skills of graphic communication. Emphasis will be placed on learning professional design methods and applying them to designs for the web. Projects will stress considerations in design theory and the principles of typography, particularly as they apply to user interface design, site design, and navigation. Students will work in both an individual and a collaborative manner involving writing, electronic design, advertising, and photography.

Prerequisites

ART 350

DEPARTMENT:

Art and Design

ART354 - Illustration
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the combination of both digital and conventional skills in illustration. Instruction in the media, concepts, and contemporary context of illustration. Six hours per week.

DEPARTMENT:

Art and Design

ART355 - User Interface Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will gain an understanding of the importance of user interface (UI) and user experience (UX) design and its processes. Through industry-standard methods and software, students will design user interfaces applying key theories and frameworks that underlie the design of current mobile interfaces. Six hours per week.

Prerequisites

ART 350

DEPARTMENT:

Art and Design

ART357 - Motion Graphics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course introduces students to the principles and elements of motion design through studio practices at beginning levels. This course is intended to continue skills acquired in ART 350 and will emphasize the concepts and skills of graphic communication through motion. Emphasis will be placed on learning professional design methods and applying them to animation and moving graphics.

Prerequisites

ART 350

DEPARTMENT:

Art and Design

ART358 - History of Modern Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of the history of modern design from the mid-nineteenth century to the present. This course will introduce students to the development of the various fields that make up modern "design", including designed objects, industrial design, and graphic design, with a focus on Europe and the United States from a global perspective.

DEPARTMENT:

Art and Design

ART360 - Introduction to Sculpture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course introduces basic working methods with metal, wood, mold making, casting, and found objects. Traditional and non-traditional fabrication methods are explored with consideration to materials and techniques that inform making sculptural concepts into tangible artworks. Six hours per week.

DEPARTMENT:

Art and Design

ART361 - Sound Art
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course investigates the practice and creation of sound art, while surveying the use of sound, voice, noise, silence and modes of listening in the modernist, avant-garde and contemporary visual arts, from the late-19th Century to the present. The varied and rich history, theory and practice of sound art, and its relationship to aural culture, will be explored through contemporary art, music, and philosophy. Students will learn history and theory, while making their own sculptural and installation-based sound works through methods of recording, broadcasting, podcasting, performance, composition, soldiering, and wiring audio systems and speakers. May be repeated one time for credit, up to six (6) credits.

Prerequisites

sophomore standing

DEPARTMENT:

Art and Design

ART362 - Digital Sculpt: 3D Modeling and Printing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is an introduction to the study of concepts and aesthetics that expand on the practice of sculpture as it relates to digital 3D modelling and printing. Sculptural works will be produced through learning the basics of 3D modeling using various CAD programs such as TinkerCad, Sketchup, Fusion 360, Cura, Meshmixer and Makerware to design objects that will be outputted using rapid prototyping methods including: 3D printing, CNC, and laser cutting. Six hours per week. May be repeated one time for credit, up to six (6) credits.

DEPARTMENT:

Art and Design

ART370 - Introduction to Ceramics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Beginning ceramics introduces students to a broad spectrum of clay working including the making of functional pottery, the vessel as metaphor, and clay as a medium for sculpture. Students learn hand building, wheel throwing, and glazing among other basic ceramic techniques. Design, craftsmanship, and critical thinking are emphasized. Six hour per week.

Prerequisites

ART 101 or 111 or 112 (pre- or corequisite)

DEPARTMENT:

Art and Design

ART371 - Ceramics II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continued development of skills and concepts learned in ART 370 along with the introduction of advanced techniques including casting and kiln firing. Ideation, criticism and discussion are emphasized. Six hours per week.

Prerequisites

ART 370

DEPARTMENT:

Art and Design

ART372 - Ceramics III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continued development of skills and concepts learned in ART 371 with an emphasis on individual investigation, technical finesse, concept, content, criticism and discussion. Six hours per week.

Prerequisites

ART 371

DEPARTMENT:

Art and Design

ART379 - Introduction to Printmaking I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to the techniques and materials of intaglio and relief printing, including collograph, drypoint, etching and linoleum cuts. Composition, craftsmanship, and technique are emphasized. Six hours per week.

Prerequisites

ART 101 and 111

DEPARTMENT:

Art and Design

ART380 - Printmaking II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to the techniques and materials of lithography including stone, plate and photo lithography. Composition, craftsmanship, technique and individual investigation are emphasized. Criticism and discussion. Six hours per week.

Prerequisites

ART 379

DEPARTMENT:

Art and Design

ART381 - Printmaking III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to the techniques and material of silkscreen, including photo silkscreen. Composition, craftsmanship, technique and individual investigation are emphasized. Criticism and discussion. Six hours per week.

Prerequisites

ART 380

DEPARTMENT:

Art and Design

ART382 - Introduction to Photography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will be introduced to the fundamentals of fine art photography through the use of single-lens-reflex-cameras, DSLR (digital) & SLR (film) while exploring creative image making as a means of personal expression with emphasis on digital process. By examining the basic formal/concepts foundation of photography through readings and lab based projects, as well as participating in discussion and critiques, students will build a visual literacy for application in daily life, developing a deeper understanding of the medium and its history. DSLR cameras are not supplied SLR cameras are supplied. Six hours per week.

DEPARTMENT:

Art and Design

ART383 - Advanced Digital Photography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continuation and refinement of technical and conceptual aspects of photography presented in ART 382 with expanded emphasis on digital processes through shooting, editing, and printing. Hands on instruction includes strobe lighting, large format color printing, editing, digital compositing and mixed media, use of a computer lab as an art studio. Students will discuss and investigate historical and current photographic concerns and trends and work toward developing unique photographic works. Six hours per week. May be repeated one time for credit, up to six (6) credits.

Prerequisites

ART 382

DEPARTMENT:

Art and Design

ART384 - Film/Darkroom Photography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continuation and refinement of technical and conceptual aspects of photography presented in ART 382 with expanded emphasis on film processes through shooting, editing, and printing. Hands on instruction includes 35mm, medium format, and large format film cameras, film processing, darkroom printing, use of some digital technology as a tool with analog media. Students will discuss and investigate historical and current photographic concerns and trends toward developing unique photographic works. Six hours per week. May be repeated one time for credit, up to six (6) credits.

Prerequisites

ART 383

DEPARTMENT:

Art and Design

ART385 - Moving Image: Screen
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the fundamentals of time-based media art with an emphasis on moving image and sound as a means of creative expression for a screening environment such as a theater. Students gain basic familiarity with planning, shooting, recording, and editing processes necessary to execute short individual projects. Student will use professional editing software and participate in discussions after screenings of historical and contemporary artists' films and videos. Cameras are provided. Six hours per week. May be repeated up to one time for credit, up to six (6) credits.

DEPARTMENT:

Art and Design

ART390 - Seminar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Special projects and activities course involving problems utilizing special talents of Department of Art faculty and guest artists. Six hours per week. May be repeated up to three times for credit.

DEPARTMENT:

Art and Design

ART393 - Special Topics in 2D
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Changing topics in two-dimensional studio art to be determined by the instructor and student interest. May be repeated up to 12 credit hours but only three credits may be counted toward the art area core. Six hours per week.

DEPARTMENT:

Art and Design

ART394 - Special Topics in 3D
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Changing topics in three-dimensional studio art to be determined by the instructor and student interest. May be repeated up to 12 credit hours but only three credits may be counted toward the art area core. Six hours per week.

DEPARTMENT:

Art and Design

ART397 - Introduction to Bookbinding and Artist Books
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to the techniques and basic principles of bookbinding, while expanding on the content of ones work through artist books. This class will use traditional, sculptural, and experimental structures. Formal elements, technique, craftsmanship, and content are emphasized. Six hours per week.

Prerequisites

ART 101 and 111

DEPARTMENT:

Art and Design

ART399 - Professional Practices
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A survey of the resources, methods and skills employed by artists in a range of professions.

DEPARTMENT:

Art and Design

ART403 - Drawing VI
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Six hours per week.

Prerequisites

ART 303

DEPARTMENT:

Art and Design

ART404 - Drawing VII
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Six hours per week.

Prerequisites

ART 403

DEPARTMENT:

Art and Design

ART411 - Metalsmithing IV
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced problems in metal-smithing. Six hours per week.

Prerequisites

ART 312

DEPARTMENT:

Art and Design

ART412 - Metalsmithing V
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Use of metals in jewelry-making, holloware, small sculpture, and/or object-making. Six hours per week.

Prerequisites

ART 411

DEPARTMENT:

Art and Design

ART413 - Woodworking IV
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced construction methods will be covered with an emphasis on understanding contemporary context. Six hours per week.

Prerequisites

ART 314

DEPARTMENT:

Art and Design

ART414 - Woodworking V
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced problems in woodworking. Advanced construction methods will be covered with an emphasis on understanding contemporary context. Six hours per week.

Prerequisites

ART 413

DEPARTMENT:

Art and Design

ART420 - Special Topics in Art History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Changing seminar topics to be determined by the instructor and student interest. May be repeated up to nine credit hours.

Prerequisites

ART 121, 211, 212 or HON 161

DEPARTMENT:

Art and Design

ART425 - Arts of Africa and Asia
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS425 - Arts of Africa and Asia

Description

Study of the arts of Sub-Saharan Africa, India, Southeast Asia, China, Korea, and Japan, informed by the religious practices, belief systems, and cultural practices of these various civilizations. (Same as RGS 425.)

Prerequisites

ART 121, 211, 212, 213 or HON 161

DEPARTMENT:

Art and Design

ART430 - Art Since 1960
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

History of global trends in art since 1960, including trends in contemporary art.

Prerequisites

ART 121 or 212 or 329

DEPARTMENT:

Art and Design

ART432 - Museum and Curatorial Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of recent trends in museum studies and curatorial practices. This course will address the various theories of curatorial practice as well as introduce best practices for exhibition design and museum administration to students. This course is designed to be open to students interested in art institutions as well as other collecting bodies (history museums, science centers, etc.). This course may involve site visits to local and regional institutions.

Prerequisites

ART 121, 211, 212, 213, CIV 201, 202, or HON 161

DEPARTMENT:

Art and Design

ART433 - Painting IV
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced problems in painting are explored through the development of a cohesive body of work. Students mature the themes, concepts, and narratives in their work and hone their technical skills in painting as they grow their portfolios to meet professional standards for applications, exhibitions, and other art world opportunities. Rigorous group critique and in-depth personal reflection contribute to individual growth of each artist. Six hours per week.

Prerequisites

ART 334

DEPARTMENT:

Art and Design

ART434 - Painting V
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continued exploration of the individual voice in painting through research, critique, and intense studio practice engagement. Enhanced focus on professional development and effective communication about personal artwork both visually and verbally. Six hours per week.

Prerequisites

ART 433

DEPARTMENT:

Art and Design

ART451 - Graphic Design IV: System Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced level design for multimedia and the Internet. Web page design and exploration of multimedia. Six hours per week.

Prerequisites

ART 351 and 352

DEPARTMENT:

Art and Design

ART452 - Graphic Design V: Senior Portfolio
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Terminal level study in graphic design involving directed research, portfolio preparation and group evaluation. Six hours per week.

Prerequisites

ART 351 and 352

DEPARTMENT:

Art and Design

ART461 - Interactivity and Participation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

As new technology continues to develop, visual art is looking towards the lo-tech/hi-tech approaches found within the Makerspace DIY (do-it-yourself) culture to explore new avenues of dialogue. Using elemental electronics prototyping platforms such as Arduino, Raspberry Pi, and Adafruit Flora, students learn how to hack and program objects to create digital/analogue interactive based sculptures, installations, and wearables that combine the everyday things with robotics technology of physical computing. May be repeated one time for credit, up to six (6) credits.

Prerequisites

ART 111 or ART 112

DEPARTMENT:

Art and Design

ART462 - Object Studies and Mold Making
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course focuses on creating object based works through casting and mold making and examines the role of casting bronze and aluminum in a foundry as it pertains to the contemporary practice of sculpture. An introduction to new methods such as 3D printing, laser cutting, and CNC may also be used in support to creating sculptural objects. Six hours per week.

Prerequisites

ART 111 or ART 112, and ART 360

DEPARTMENT:

Art and Design

ART471 - Ceramics IV
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continued development of the skills learned in ART 372, largely through individually tailored and self-directed assignments. Students will be responsible for all aspects of the production of their work, from mixing their clay and glaze to loading and firing kilns. Technical proficiency, criticism, discussion, and investigation of historical and contemporary ceramics will be emphasized. Six hours per week.

Prerequisites

ART 372

DEPARTMENT:

Art and Design

ART472 - Ceramics V
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continuation of ART 471. Six hours per week.

Prerequisites

ART 471

DEPARTMENT:

Art and Design

ART480 - Printmaking IV
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced problems and further exploration of the techniques, processes, tool and equipment related to intaglio, lithography, relief and silkscreen. Individual direction, technical proficiency and personal expression are emphasized. Criticism and discussion. Six hours per week.

Prerequisites

ART 381

DEPARTMENT:

Art and Design

ART481 - Printmaking V
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continuation of ART 480. Six hours per week.

Prerequisites

ART 480

DEPARTMENT:

Art and Design

ART483 - Moving Image: Gallery/Intermedia
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the fundamentals of time-based media art with an emphasis on moving image and sound as a means of creative expression for a gallery, performance, and interactive art distribution. Students gain basic familiarity with planning, shooting, recording, and editing processes necessary to execute intermedia projects using 4D/moving image processes. Student will use professional editing software and participate in discussions after viewing historical and contemporary artists' works ranging from web, gallery, installation, and performance works. Cameras are provided. Six hours per week. May be repeated up to six (6) credits.

DEPARTMENT:

Art and Design

ART484 - Directions in Moving Image
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Concentrated study of moving image art for a screening environment as related to student's professional goals. Individual explorations are to culminate in a unified body of work such as short film or video to help prepare the student for their senior show and/or entry into graduate school or the workplace.

Prerequisites

ART 385 or ART 483

DEPARTMENT:

Art and Design

ART488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

DEPARTMENT:

Art and Design

ART489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

DEPARTMENT:

Art and Design

ART490 - Special Problems in Studio Art
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

An independent problems course in studio art for advanced undergraduates majoring in art under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to registration. May be repeated for a maximum of nine credit hours.

Prerequisites

Consent of supervising faculty member and permission of department chair

DEPARTMENT:

Art and Design

ART491 - Special Problems in Art History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An independent problems course in art history for advanced undergraduates majoring in art under the direction of the art history faculty. The student must submit and receive approval of a detailed study plan prior to registration. May be repeated once for credit. Prerequisites: consent of supervising faculty member and permission of department chair.

Prerequisites

Consent of supervising faculty member and permission of department chair

DEPARTMENT:

Art and Design

ART492 - Special Problems in Art Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An independent problems course in art education for advanced undergraduates majoring in art under the direction of the art education faculty member. The student must submit and receive approval of a detailed study plan prior to registration. Does not count as a studio elective. May be repeated up to three times for credit.

Prerequisites

Consent of supervising faculty member and permission of department chair

DEPARTMENT:

Art and Design

ART498 - BFA Practicum Exhibition
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Final project for the BFA candidate taking an area in art. Documentation (slides/video) and written statement, which includes a description of the direction and influences upon the student's work, must accompany the practicum exhibition.

Prerequisites

ART 298

DEPARTMENT:

Art and Design

ART499 - BA/BS Practicum Group Exhibit
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Final project for the BA/BS candidate taking an area in art. Written statement, including description of the direction and influences upon the student's work, must accompany the work exhibited in the practicum exhibition.

Prerequisites

ART 298

DEPARTMENT:

Art and Design

ART503 - Drawing VIII
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Concentrated exploration of drawing with emphasis on personal expression. Criticism and discussion. Six hours per week.

Prerequisites

Two drawing courses

DEPARTMENT:

Art and Design

ART504 - Drawing IX
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continuation of ART 503. Six hours per week.

Prerequisites

ART 503

DEPARTMENT:

Art and Design

ART511 - Metalsmithing VI
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A concentrated exploration of the use of metals in jewelry-making and holloware. Six hours per week.

Prerequisites

Two courses in metalsmithing

DEPARTMENT:

Art and Design

ART512 - Metalsmithing VII
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continuation of ART 511. Six hours per week.

Prerequisites

ART 511

DEPARTMENT:

Art and Design

ART513 - Woodworking VI
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced problems in woodworking. Advanced construction methods will be covered with an emphasis on understanding contemporary context. Six hours per week.

Prerequisites

ART 414

DEPARTMENT:

Art and Design

ART514 - Woodworking VII
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced problems in woodworking. Advanced construction methods will be covered with an emphasis on understanding contemporary context. Six hours per week.

Prerequisites

ART 513

DEPARTMENT:

Art and Design

ART533 - Painting VI
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Concentrated development of a professional level painting practice. Students work with instructor to propose a series of thematically related paintings to be completed by the end of the semester. Students are prepared to thoroughly defend their artistic choices about color, composition, and subject matter citing contemporary and art historical references. Six hours per week.

Prerequisites

Two painting courses

DEPARTMENT:

Art and Design

ART534 - Painting VII
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Balancing focus on formal and conceptual development with painterly experimentation, students create an interconnected body of paintings that engage in contemporary art discourse. Group critiques, independent research, and reflective writing guide the creative process. Six hours per week. This course may be repeated up to two times for credit.

Prerequisites

ART 533

DEPARTMENT:

Art and Design

ART551 - Graphic Design VI
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Additional refinement of graphic techniques, discussion and criticism. An emphasis on individual investigation concentrating on producing a unified body of work suitable for a portfolio or professional show. The student and the instructor will design a program of study directed toward this goal. Six hours per week.

Prerequisites

ART 452

DEPARTMENT:

Art and Design

ART552 - Graphic Design VII
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced specialization; continuation of ART 551.

DEPARTMENT:

Art and Design

ART561 - Site, Space, and Installation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course investigates the principles of sculpture in relationship to how installation art can demonstrate a concept/idea by implicating the viewer through using site (either specificity or non-specificity) and shift an audience's perception of time and/or space of an experience. This course will introduce students to concepts in the history of installation and current shifts in the definition of installation art as it pertains to sculpture, new media and performance. Six hours per week. May be repeated one time for credit, up to six (6) credits.

Prerequisites

ART 111 or ART 112, and ART 360

DEPARTMENT:

Art and Design

ART562 - Advanced Sculpture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course focuses on the artistic and studio practice developed in context of contemporary sculpture. Students work more independently on developing a body of work unique to personal studio practices with attention and focus paid to a high form of crafts-person-ship and scholarly research. Students are expected to keep regular studio/research hours on a weekly basis outside of class. Advanced Sculpture is considered the capstone course in the sculpture sequence. May be repeated one time for credit, up to six (6) credits.

Prerequisites

ART 111 or ART 112; and ART 360; and one of the following: ART 361, ART 362, ART 461, ART 462, or ART 561

DEPARTMENT:

Art and Design

ART571 - Ceramics VI
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Concentrated exploration of selected ceramic processes with emphasis on personal expression. Six hours per week.

Prerequisites

Two courses in ceramics

DEPARTMENT:

Art and Design

ART572 - Ceramics VII
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continuation of ART 571. Six hours per week.

Prerequisites

ART 571

DEPARTMENT:

Art and Design

ART580 - Printmaking VI
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced problems. Concentrated study of selected printmaking processes with emphasis on personal expression. Individual direction and technical proficiency are emphasized. Criticism and discussion. Six hours per week.

Prerequisites

Two advanced courses in printmaking

DEPARTMENT:

Art and Design

ART581 - Printmaking VII
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced problems. Continuation of ART 580. Six hours per week.

Prerequisites

ART 580

DEPARTMENT:

Art and Design

ART583 - Directions in Photography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Concentrated study of print based photographic art as related to student's professional goals. Individual explorations are to culminate in a unified body of work such as a book or portfolio to help prepare the student for their senior show and/or entry into graduate school or the workplace.

Prerequisites

ART 382 or ART 383 or ART 384

DEPARTMENT:

Art and Design

ART584 - Directions in Intermedia
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Concentrated study of moving image and or sound art for a gallery, performance, and/or web environment as related to student's professional goals. Individual explorations are to culminate in a unified body of work such as an art installation, performance, and/or intermedia project to help prepare the student for their senior show and/or entry into graduate school or the workplace.

Prerequisites

ART 384 or ART 483

DEPARTMENT:

Art and Design

ART690 - Special Problems in Studio Art
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An independent problems course in studio art for graduate students under the direction of a faculty member. The student must submit and receive approval of a detailed study plan prior to registration. May be repeated up to three times for credit.

Prerequisites

Consent of instructor and permission of department chair

DEPARTMENT:

Art and Design

ART691 - Special Problems in Art History
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An independent problems course in art history for graduate students under the direction of the art history faculty. The student must submit and receive approval of a detailed study plan prior to registration. May be repeated up to three times for credit.

Prerequisites

Consent of supervising faculty member and permission of department chair

DEPARTMENT:

Art and Design

ART692 - Special Problems in Art Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An independent problems course in art education for graduate students under the direction of the art education faculty. The student must submit and receive approval of a detailed study plan prior to registration. Does not count as a studio elective. May be repeated up to three times for credit. Prerequisites: consent of instructor and permission of department chair.

Prerequisites

Consent of instructor and permission of department chair

DEPARTMENT:

Art and Design

ASL: American Sign Language

ASL101 - American Sign Language I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

American Sign Language (ASL) Level I is designed for the student who wants to acquire ASL skills to communicate with persons who are deaf. The course will focus on basic communication functions such as introducing oneself, exchanging personal information, making requests, talking about family and occupations, giving directions, attributing qualities to others and talking about routines. The course will also introduce students to deaf culture. The course will be taught without the use of voice.

DEPARTMENT:

Early Childhood and Elementary Education

ASL102 - American Sign Language II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

American Sign Language (ASL) Level II is designed for the student who wants to acquire basic ASL skills to communicate with persons who are deaf. The course will build upon ASL I and focus on different types of numbering systems, cross-cultural communication, identifying and describing others, how to talk about routines, family, and occupations and how to make requests. The course will further introduce students to the Deaf culture and a brief history of Deaf America. The course will be taught without the use of voice.

Prerequisites

ASL 101

DEPARTMENT:

Early Childhood and Elementary Education

ASL103 - American Sign Language III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to teach intermediate expressive and receptive ASL skills and the cultural features of the language and community. The course will focus on awareness of and respect for the Deaf Culture. The course will be taught without the use of voice.

Prerequisites

ASL 102 with a C or better

DEPARTMENT:

Early Childhood and Elementary Education

ASL104 - American Sign Language IV
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to further develop intermediate expressive and receptive ASL skills and cultural features of language and community. The course will focus on the understanding of signing with meaning to move students toward intermediate plus level. Students will increase their awareness of and expand their respect for the Deaf Culture. The course will be taught without the use of voice. Students will attend three Deaf events.

Prerequisites

ASL 103 with a minimum grade of C

DEPARTMENT:

Early Childhood and Elementary Education

AST: Astronomy

AST115 - Introductory Astronomy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Descriptive examination of the objects of the solar system and the stellar universe. A brief historical presentation of the fundamental astronomical theories provides a basis for the examination. Multimedia presentations are used.

Corequisites

AST 116

DEPARTMENT:

Institute of Engineering

AST116 - Introductory Astronomy Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Laboratory to accompany AST 115. Two hours laboratory per week.

Corequisites

AST 115

DEPARTMENT:

Institute of Engineering

AST215 - General Astronomy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A mathematical study of the relative positions, motions, and physical characteristics of celestial objects. Lectures supplemented by occasional visits to the observatory. Not open to students with credit in AST 115.

Prerequisites

MAT 130 or approved equivalent

DEPARTMENT:

Institute of Engineering

AST216 - Stars and Galaxies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Brief survey of radiation and spectra, geometric and radioactive properties of stars, multiple stars, variables, star clusters and associations.

Prerequisites

AST 215 and MAT 250

DEPARTMENT:

Institute of Engineering

AST220 - Astrophotography
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Involves technique of photographing the lunar surface, the planets, interstellar media, and constellations as well as studies of photographic materials.

DEPARTMENT:

Institute of Engineering

AST306 - Astrometry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of the basic measurements related to astronomical observing. Plane and spherical coordinates celestial sphere, stellar positions, proper motion and time effects.

Prerequisites

AST 215 and MAT 250

DEPARTMENT:

Institute of Engineering

AST316 - Introductory Astrophysics and Space Physics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

PHY316 - Introductory Astrophysics and Space Physics

Description

Introduction to astrophysics and space physics. Space physics is concerned with understanding the environment between the sun and the earth's upper atmosphere. Topics include coronal mass ejections, the solar wind, magnetospheric storms, and auroral precipitation. Astrophysics is the study of planetary system formation and evolution, stellar structure and evolution, galactic structure, and cosmology. Phenomena of interest include quasars, black holes, supernovas, and the cosmic microwave background radiation. (Same as PHY 316.)

Prerequisites

PHY 132 and 255

DEPARTMENT:

Institute of Engineering

AST515 - Special Topics
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

This course is designed to fulfill special needs not met by other courses. It may be a lecture or seminar course.

DEPARTMENT:

Institute of Engineering

ATR: Athletic Training

ATR500 - Research and Evidence-Based Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to introduce the topics of evidence-based practice and outcome measures as it relates to patient care. Topics of discussion are designed to enhance students' understanding of the research process and include clinical research questions, design, implementation, and application.

Prerequisites

MAT 135

DEPARTMENT:

Applied Health Sciences

ATR501 - Professional Aspects
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course designed to introduce students to the profession of athletic training. Topics of discussion include a history of the profession and professional organizations, injury surveillance and epidemiology, and roles and responsibilities of the health care team.

DEPARTMENT:

Applied Health Sciences

ATR503 - Functional Anatomy in Athletic Training
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to expand upon basic terminology by connecting anatomical concepts with the principles of movement and injury. Topics of discussion include appendicular and axial skeleton, muscle location and function, and physiological principles on contraction.

Prerequisites

BIO 227, 228, 229, and 230 or equivalent

DEPARTMENT:

Applied Health Sciences

ATR504 - Musculoskeletal Evaluation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to present orthopedic evaluation skills, documentation techniques, and cultural competence issues. Topics of discussion include injury evaluation software and documentation, clinical skills of palpation, goniometry, and neurological screening.

Prerequisites

ATR 503

DEPARTMENT:

Applied Health Sciences

ATR505 - Bracing, Splinting, and Taping
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course designed to discuss theories and apply clinical skills of bracing, splinting, and taping of musculoskeletal injuries. Topics include indications and contra-indications for various protective equipment, and clinical skill development in the application of braces, splints, and tape for the prevention and/or treatment of injuries.

DEPARTMENT:

Applied Health Sciences

ATR506 - Diagnostic Testing and Measurements
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course designed to introduce the use of imaging and modeling to enhance the accuracy of the evaluation and diagnosis. Topics of discussion will elaborate on the concepts of diagnostic accuracy and assessment, and include theories of diagnostic ultrasound, nerve conduction velocity, electromyography, and kinematic analysis.

Prerequisites

ATR 503

DEPARTMENT:

Applied Health Sciences

ATR507 - Emergency Care in Athletic Training
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course designed to introduce students to procedures and policies of responding to a medical emergency as an athletic trainer. Topics of discussion include emergency action plans, wound care, spine boarding and equipment removal, and responding to medical emergencies in nontraditional settings.

Prerequisites

Certified in First Aid and CPR/AED for the Health Care Provider (verified by the instructor)

DEPARTMENT:

Applied Health Sciences

ATR508 - Emergency Care in Athletic Training Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course designed to introduce and develop competent clinical skills in responding to a medical emergency as an athletic trainer. Activities include executing emergency action plans, wound care, spine boarding, removing equipment, and responding to medical emergencies in non-traditional settings.

Prerequisites

ATR 507 (pre- or corequisite)

DEPARTMENT:

Applied Health Sciences

ATR520 - Therapeutic Interventions
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course designed to provide a comprehensive overview of the healing process, pharmacological interventions, and therapeutic interventions using evidence-based practice.

Prerequisites

ATR 501

Corequisites

ATR 521

DEPARTMENT:

Applied Health Sciences

ATR521 - Therapeutic Interventions Laboratory
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course designed to provide opportunity for students to develop clinical decision-making skills and practical skills addressing the phases of healing using therapeutic and pharmacological intervention.

Prerequisites

ATR 501

Corequisites

ATR 520

DEPARTMENT:

Applied Health Sciences

ATR535 - Prevention and Health Promotion
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to familiarize students with healthy behaviors, risk factors for unhealthy behaviors, common performance enhancing supplements, and ergogenic aids. The discussion topics will include recognition, referral, and management of chronic disease concepts.

DEPARTMENT:

Applied Health Sciences

ATR541 - Clinical Experience in Athletic Training I
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course designed to allow the athletic training students to integrate and apply content knowledge gained in the didactic setting and develop proficiency in the educational competencies require for athletic training certification. This course will focus on immediate care of the ill and injured, therapeutic interventions, and biomechanical evaluations. The athletic training student will be required to attend clinical experience as assigned.

Prerequisites

ATR 507, 508, and admission to the Athletic Training Program

DEPARTMENT:

Applied Health Sciences

ATR542 - Clinical Experience in Athletic Training II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to allow the athletic training student to integrate and apply content knowledge gained in the didactic setting and develop proficiency in the educational competencies required for athletic training certification. This course will focus on lower extremities therapeutic interventions and psychosocial interventions. The athletic training student will be required to attend clinical experience as assigned.

Prerequisites

ATR 520, 521, 541, and admission to the Athletic Training Program

DEPARTMENT:

Applied Health Sciences

ATR551 - Evaluation: Foot, Ankle, and Lower Leg
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course designed to prepare the student to prevent, evaluate, treat, and rehabilitate orthopedic injuries of the lower extremity. Specific areas of focus include the foot, ankle, and lower leg.

Prerequisites

ATR 504, 505, 506, 520, and 521

DEPARTMENT:

Applied Health Sciences

ATR552 - Evaluation and Care: Knee and Patellofemoral
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course designed to prepare the student to prevent, evaluate, treat, and rehabilitate orthopedic injuries of the lower extremity. Specific areas of focus include the knee and patellofemoral conditions.

Prerequisites

ATR 504, 505, 506, 520, and 521

DEPARTMENT:

Applied Health Sciences

ATR585 - Psychosocial Interventions
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course designed to provide an analysis of mental health recognition, management, and referral strategies associated with patients under the care of an athletic trainer. Topics addressed include motivation, goal setting, and sociocultural factors associated with injury or illness.

DEPARTMENT:

Applied Health Sciences

ATR600 - Research and Evidence-Based Practice
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course designed to introduce the topics of evidence-based practice and outcome measures as it relates to patient care. Topics of discussion are designed to enhance students' understanding of the research process and include clinical research questions, design, implementation, and application.

Prerequisites

STA 135 or equivalent

DEPARTMENT:

Applied Health Sciences

ATR601 - Professional Aspects of Athletic Training
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Course designed to introduce students to the profession of athletic training. Topics of discussion include a history of the profession and professional organizations, injury surveillance and epidemiology, and roles and responsibilities of the health care team.

DEPARTMENT:

Applied Health Sciences

ATR603 - Functional Anatomy in Athletic Training
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course designed to expand upon basic terminology by connecting anatomical concepts with the principles of movement and injury. Topics of discussion include appendicular and axial skeleton, muscle location and function, and physiological principles of contraction.

Prerequisites

BIO 227, 228, 229, and 230 or equivalent

DEPARTMENT:

Applied Health Sciences

ATR604 - Musculoskeletal Evaluation
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course designed to present orthopedic evaluation skills, documentation techniques. And cultural competence issues. Topics of discussion include injury evaluation software and documentation, clinical skills of palpation, goniometry, and neurological screening.

Prerequisites

ATR 603

DEPARTMENT:

Applied Health Sciences

ATR605 - Bracing, Splinting, and Taping
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Course designed to discuss theories and apply clinical skills of bracing, splinting, and taping of musculoskeletal injuries. Topics include indications and contraindications for various protective equipment, and clinical skill development in the application of braces, splints, and tape for the prevention and/or treatment of injuries.

DEPARTMENT:

Applied Health Sciences

ATR606 - Diagnostic Testing and Measurement
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to introduce the use of imaging and modeling to enhance the accuracy of the evaluation and diagnosis. Topics of discussion will elaborate on the concepts of diagnostic accuracy and assessment, and include theories of diagnostic ultrasound, nerve conduction and velocity, electromyography, and kinematic analysis.

Prerequisites

ATR 603

DEPARTMENT:

Applied Health Sciences

ATR607 - Emergency Care in Athletic Training
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to introduce students to procedures and policies of responding to a medical emergency as an athletic trainer. Topics of discussion include emergency action plans, wound care, spine boarding and equipment removal, and responding to medical emergencies in non-traditional settings.

Prerequisites

Certified in First Aid and CPR/AED for the Health Care Provider (verified by the instructor)

DEPARTMENT:

Applied Health Sciences

ATR608 - Emergency Care in Athletic Training Laboratory
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Course designed to introduce and develop competent clinical skills in responding to a medical emergency as an athletic trainer. Activities include executing emergency action plans, wound care, spine boarding, equipment removal, and responding to medical emergencies in non-traditional settings.

Prerequisites

ATR 607

Corequisites

ATR 607

DEPARTMENT:

Applied Health Sciences

ATR620 - Therapeutic Interventions
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to provide a comprehensive overview of the healing process, pharmacological interventions, and therapeutic interventions using evidence-based practice.

Prerequisites

ATR 601

Corequisites

ATR 621

DEPARTMENT:

Applied Health Sciences

ATR621 - Therapeutic Interventions Laboratory
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to provide opportunities for students to develop clinical decision-making skills and practice skills addressing the phases of healing using therapeutic and pharmacological interventions.

Prerequisites

ATR 601

Corequisites

ATR 620

DEPARTMENT:

Applied Health Sciences

ATR635 - Prevention and Health Promotion
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course designed to familiarize students with healthy behaviors, risk factors for unhealthy behaviors, common performance enhancing supplements, and ergogenic aids. The discussion topics will include recognition, referral, and management of chronic disease concepts.

DEPARTMENT:

Applied Health Sciences

ATR641 - Clinical Experience in Athletic Training I
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to allow the athletic training student to integrate and apply content knowledge gained in the didactic setting and develop proficiency in the educational competencies required for athletic training certification. This course will focus on immediate care of the ill and injured, therapeutic interventions, and biomechanical evaluations. The athletic training student will be required to attend clinical experience as assigned.

Prerequisites

ATR 507 and 508

DEPARTMENT:

Applied Health Sciences

ATR642 - Clinical Experience in Athletic Training II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course designed to allow the athletic training student to integrate and apply content knowledge gained in the didactic setting and develop proficiency in the educational competencies required for athletic training certification. This course will focus on lower extremity therapeutic interventions and psychosocial interventions. The athletic training student will be required to attend clinical experience as assigned.

Prerequisites

ATR 620, 621 and 641

DEPARTMENT:

Applied Health Sciences

ATR645 - Clinical Experience in Athletic Training III
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to allow the athletic training student to integrate and apply content knowledge gained in the didactic setting and develop proficiency in the educational competencies required for athletic training certification. The athletic training student will be required to attend clinical experience as assigned.

Prerequisites

ATR 551 and 552

DEPARTMENT:

Applied Health Sciences

ATR646 - Clinical Experience in Athletic Training IV
CREDITS:

3 - 4

COURSE LEVEL:

Graduate

Description

Course designed to allow the athletic training student to integrate and apply content knowledge gained in the didactic setting and develop proficiency in the educational competencies required for athletic training certification. The athletic training student will be required to attend clinical experience as assigned. Credit hours for this course are dependent upon clinical experience assignment; however, a total of nine credit hours must be accumulated between 646 and 647.

Prerequisites

ATR 653 and 654

DEPARTMENT:

Applied Health Sciences

ATR647 - Clinical Experience in Athletic Training V
CREDITS:

5 - 6

COURSE LEVEL:

Graduate

Description

Course designed to allow the athletic training student to integrate and apply content knowledge gained in the didactic setting and develop proficiency in the educational competencies required for athletic training certification. The athletic training student will be required to attend clinical experience as assigned. Credit hours for this course are dependent upon clinical experience assignment; however, a total of nine credit hours must be accumulated between 646 and 647.

Prerequisites

ATR 655, 656, and 657

DEPARTMENT:

Applied Health Sciences

ATR648 - Seminar in Athletic Training I
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to address current topics in athletic training, advanced principles of professional development, and state regulatory and legislative efforts.

Prerequisites

ATR 671

DEPARTMENT:

Applied Health Sciences

ATR649 - Seminar in Athletic Training II
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Course designed to serve as a preparatory course for students planning to sit for the Board of Certification (BOC) for the Athletic Trainer Exam and enter into the profession of athletic training.

Prerequisites

ATR 648

DEPARTMENT:

Applied Health Sciences

ATR651 - Evaluation and Care: Foot, Ankle, and Lower Leg
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to prepare the student to prevent, evaluate, treat, and rehabilitate orthopedic injuries of the lower extremities. Specific areas of focus include the foot, ankle, and lower leg.

Prerequisites

ATR 604, 605, 606, 620, and 621

DEPARTMENT:

Applied Health Sciences

ATR652 - Evaluation and Care: Knee and Patellofemoral
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to prepare the student to prevent, evaluate, treat, and rehabilitate orthopedic injuries of the lower extremities. Specific areas of focus include the knee and patellofemoral conditions.

Prerequisites

ATR 604, 605, 606, 620, and 621

DEPARTMENT:

Applied Health Sciences

ATR653 - Evaluation and Care: Thigh, Pelvis, and Lumbosacral Spine
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to prepare the student to prevent, evaluate, treat, and rehabilitate orthopedic injuries of the lower extremity. Specific areas of focus include the thigh, pelvis, and lumbosacral spine.

Prerequisites

ATR 504, 505, 506, 520, and 521

DEPARTMENT:

Applied Health Sciences

ATR654 - Evaluation and Care: Shoulder and Upper Arm
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to prepare the student to prevent, evaluate, treat, and rehabilitate orthopedic injuries of the upper extremity. Specific areas of focus include the shoulder and upper arm.

Prerequisites

ATR 504, 505, 506, 520, and 521

DEPARTMENT:

Applied Health Sciences

ATR655 - Evaluation and Care: Elbow, Wrist, Hand, Fingers
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to prepare the student to prevent, evaluate, treat, and rehabilitate orthopedic injuries of the upper extremity. Specific areas of focus include the elbow, wrist, hand, and fingers.

Prerequisites

ATR 504, 505, 506, 520, and 521

DEPARTMENT:

Applied Health Sciences

ATR656 - Evaluation and Care: Head and Cervical Spine
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to prepare the student to prevent, evaluate, treat, and rehabilitate orthopedic injuries and general medical conditions of the head and cervical spine.

Prerequisites

ATR 504, 505, 506, 520, and 521

DEPARTMENT:

Applied Health Sciences

ATR657 - Evaluation and Care: Thorax and Abdomen
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to prepare students to prevent, evaluate, treat, and rehabilitate orthopedic injuries and general medical conditions of the thorax and abdomen.

Prerequisites

ATR 504, 505, 506, 520, and 521

DEPARTMENT:

Applied Health Sciences

ATR671 - Administration and Professional Development
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to introduce administrative, legal, and leadership concepts in health care. The discussion topics will include professional development, risk management, regulatory organizations, facility design, and documentation requirements included in medical records.

Prerequisites

ATR 501

DEPARTMENT:

Applied Health Sciences

ATR672 - Graduate Project in Athletic Training I
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Course designed to provide a comprehensive understanding to the development and regulations of conducting student research proposals. The discussion topics will include human subject rights and protection, reviews of the literature, and design of data collection methodology.

Prerequisites

ATR 500

DEPARTMENT:

Applied Health Sciences

ATR673 - Graduate Project in Athletic Training II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course designed to focus on the completion of a graduate research project. The discussion topics will include strategies to recruit participants, data collection procedures, statistical analysis, and paper guidelines for publication.

Prerequisites

ATR 672

DEPARTMENT:

Applied Health Sciences

ATR685 - Psychosocial Intervention
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course designed to provide an analysis of mental health recognition, management, and referral strategies associated with patients under the care of an athletic trainer. Topics addressed include motivation, goal setting, and sociocultural factors associated with injury and illness.

DEPARTMENT:

Applied Health Sciences

BAC: Business and Accounting

BAC355 - Information Systems and Decision Making

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is a brief overview of information systems and the roles they play in support of decision making. Specific topics include information technology hardware and software, business intelligence, database management and data warehouses, e-commerce, decision support systems, IT infrastructures and controls, and computer crime and forensics. A significant component of this course also includes skill development in spreadsheet and database software. A student may receive credit for only one of the following courses: ACC 308, BAC 355, or CIS 307.

Prerequisites

Junior standing; ACC 200 and 201; CSC 199

DEPARTMENT:

Accounting

BAC442 - Business Ethics and Environments

CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

PHI442 - Business Ethics and Environments

Description

This course involves a study of modern and classical approaches to both business and personal ethics as well as the other major components of the business environment: the political, international, legal, ecological, social and cultural environments. This course also studies the principles and practices of corporate governance.

Prerequisites

LST 240, MGT 350, FIN 330, MKT 360, and senior standing

DEPARTMENT:

Accounting

BAC540 - Legal Obligations of Business
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will provide a basic understanding of the laws that relate to business with emphasis on the law of contracts, sales, negotiable instruments, and secured transactions.

Prerequisites

LST 240

DEPARTMENT:

Accounting

BAC640 - Legal Obligations of Business
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will provide a basic understanding of the laws that relate to business with emphasis on the law of contracts, sales, negotiable instruments, and secured transactions.

Prerequisites

LST 240

DEPARTMENT:

Accounting

BED: Business and Marketing Education

BED510 - Methods and Materials - Teaching Business/Marketing Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A required course for business/marketing students emphasizing the latest methods and materials for teaching business and marketing subjects. Must be completed before doing student teaching. Field experience required. Field trips may be required.

Prerequisites

CTE 503

DEPARTMENT:

Adolescent, Career and Special Education

BGS: Bachelor of General Studies

BGS401 - Career Readiness
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course in career exploration that includes a coordinator-approved work or service experience related to the career and educational objectives of the student.

Prerequisites

Admission to the Bachelor of General Studies (BGS) program and permission of the BGS program coordinator

DEPARTMENT:

Center for Academic Success

BGS410 - General Studies Capstone
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A capstone experience designed to assist students in the creation and presentation of a culminating project required for completion of the Bachelor of General Studies degree. The project includes the integration of artifacts that highlight what students have learned in the program including clear connections to their career plan.

Prerequisites

Admission to the Bachelor of General Studies (BGS) program, senior standing, and permission of BGS coordinator

DEPARTMENT:

Center for Academic Success

BIO: Biology

BIO100 - Introduction Biology Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Laboratory work for a non-majors general biology course. Open to transfer students with three hours of non-majors general biology without a laboratory or students who have taken BIO 102.

DEPARTMENT:

Biological Sciences

BIO100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Required of all entering freshman. Graded pass/fail. (Fall only)

DEPARTMENT:

Biological Sciences

BIO101 - Biological Concepts
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Biological principles are examined in an active learning mode. This course relates the significance of biology to individuals and society and establishes that this body of knowledge underpins agriculture, medicine, and environmental management. Laboratory required.

DEPARTMENT:

Biological Sciences

BIO102 - Introductory Biology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Biological principles are examined in an active learning mode. This on-line course relates the significance of biology to students and society, and establishes that this body of knowledge underpins agriculture, medicine, and environmental management. This course in combination with BIO 100, an on-campus lab, will meet the University Studies science course with lab requirement. Students may not receive credit for BIO 101 and 102.

DEPARTMENT:

Biological Sciences

BIO103 - Saving Planet Earth
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EES103 - Saving Planet Earth

Description

A study of the problems faced by humans on the Earth, including human population growth, over-exploitation of natural resources, habitat destruction and extinction. The philosophical, ethical, and scientific basis of these problems and their solutions will be discussed. The course will also explore the potential for humans to live in a sustainable fashion on the planet, and emphasize the social responsibility and civic engagement required to do so. (Same as EES 103.)

DEPARTMENT:

Biological Sciences

BIO109 - Biology of Cancer
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The exploration into the myths and facts of the biology of cancer and how various physical, genetic, environmental, and lifestyle factor influence one's chances of developing cancer. Topics will include basic cell, tumor, and human biology, the different strategies the health care system employs to detect, attack, and defeat cancer, and risk factor assessment.

DEPARTMENT:

Biological Sciences

BIO115 - The Cellular Basis of Life
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the concepts and foundations of modern biology. Intended to familiarize students with the mechanisms and terminology of biology at the cellular level, the topics presented and discussed act as a framework for successful succession into higher level biology courses. Emphasis is placed on the investigative methods used by biologists leading to our current understanding of biological chemistry, cellular processes, cell interactions, genes and DNA technology.

Prerequisites

Math ACT score of 21 or higher or MAT 110 (or MAT 097 equivalent) with a minimum grade of C

DEPARTMENT:

Biological Sciences

BIO149 - Introduction to Wildlife and Conservation Biology
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

An initial survey of the fields of wildlife and conservation biology including topics for various careers, introduction to professional methods, methods for learning in lab-based natural history classes, and a brief introduction to the scientific process and an understanding of the importance of rigorous science to these fields. One class per week and approximately two required Saturday field trips. (Fall)

Prerequisites

Open only to students pursuing an area in wildlife and conservation biology or a major in biology

DEPARTMENT:

Biological Sciences

BIO154 - Dendrology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Principles and art of identification of trees and shrubs in both summer and winter conditions. (Fall)

DEPARTMENT:

Biological Sciences

BIO160 - Plants and People
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This interdisciplinary course draws from the biological and social sciences to investigate plant-human interactions, from both historical and modern points of view. Topics begin with an understanding of basic plant anatomy, physiology, and reproductive strategies. Using this foundation, modern and historical uses of plants in a variety of cultures will explored, including plants as food, in medicine, as causes (in part) of territorial disputes, and in ritual and everyday life. Other topics include plant allergies, conservation, genetically modified plants, and predicted impacts of global climate change on plants, with human implications.

DEPARTMENT:

Biological Sciences

BIO216 - Biological Inquiry and Analysis
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An inquiry-based introduction to concepts in biology. Research-oriented activities will emphasize the skills and attitudes necessary for understanding and conducting scientific inquiry. Three hours of lecture and two hours of laboratory per week.

Prerequisites

ENG 105, either BIO 101 or 115, and Math ACT score of 21 or higher or MAT 110 (or MAT 097 equivalent) with a minimum grade of C

DEPARTMENT:

Biological Sciences

BIO220 - Clinical Terminology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A systematic study of the terms, symbols, and abbreviations rooted in Latin and Greek and that are common to the clinically-oriented health professions.

Prerequisites

Eight hours of biology

DEPARTMENT:

Biological Sciences

BIO221 - Zoology: Animal Form and Function
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of the animal kingdom with emphasis on evolutionary and ecological relationships of animal groups, vertebrate anatomy and physiology, and evolutionary concepts. Three hours of lecture and three hours of laboratory per week.

Prerequisites

Math ACT score of 21 or higher or MAT 110 (or MAT 097 equivalent) with a minimum grade of C

DEPARTMENT:

Biological Sciences

BIO222 - Botany: Plant Form and Function
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of the evolution, anatomy, morphology, physiology, classification, and life cycles of major divisions of the plant kingdom. Three hours of lecture and three hours of laboratory per week.

Prerequisites

Math ACT score of 21 or higher or MAT 110 (or MAT 097 equivalent) with a minimum grade of C

DEPARTMENT:

Biological Sciences

BIO227 - Human Anatomy Lecture
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Basic morphology of the human body. Cannot be applied toward a biology major.

Prerequisites

BIO 101 or BIO 115 or BIO 221

Corequisites

BIO 228

DEPARTMENT:

Biological Sciences

BIO228 - Human Anatomy Laboratory
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

The basic morphology of the human body. Four hours laboratory per week. Cannot be applied toward a biology major.

Prerequisites

BIO 101 or BIO 115 or BIO 221

Corequisites

BIO 227

DEPARTMENT:

Biological Sciences

BIO229 - Human Physiology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of mammalian physiology with emphasis on humans. Three hours lecture per week. Concurrent enrollment in BIO 230 is suggested but not required. Course may not be counted toward the biology major.

Prerequisites

BIO 227 and BIO 228; or EXS 250

DEPARTMENT:

Biological Sciences

BIO230 - Human Physiology Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Experimental approach to the study of human systems physiology. Course may not be counted toward the biology major.

Prerequisites

Concurrent enrollment or previous completion of BIO 229 with a passing grade

DEPARTMENT:

Biological Sciences

BIO240 - Biological Applications of GIS
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Course will provide an introduction into Geographic Information Systems (GIS), concentrating on the use of GIS in biology. Basic GIS theory will be offered, but the class will consist mostly of hands-on use of the GIS software in real-world situations. Students will also be introduced to the many ways that GIS can be used in ecological research.

DEPARTMENT:

Biological Sciences

BIO290 - Biomedical Research I
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

The student will be involved in biomedical research with a faculty member who agrees to direct them. The student will support the research of advanced students and their mentor and assist with experiments. In the process the student will be introduced to research and learn basic techniques. A minimum of 4 hours per week of research is expected.

Prerequisites

Admission into the biomedical sciences program and permission from a research mentor

DEPARTMENT:

Biological Sciences

BIO300 - Introductory Microbiology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An introductory survey in general microbiology. Special emphasis is given to the study of the prokaryote microorganisms both in laboratory and lecture. Three hours of lecture and three hours of laboratory per week.

Prerequisites

BIO 115 and sophomore status

DEPARTMENT:

Biological Sciences

BIO305 - Introduction to Evolutionary Principles
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of the theory of organic evolution including history, evidence, patterns, mechanisms and implications for humans.

Prerequisites

BIO 101 or 115, and Math ACT score of 21 or higher or MAT 110 (or MAT 097 equivalent) with a minimum grade of C

DEPARTMENT:

Biological Sciences

BIO308 - Ethics in Biology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A comprehensive study of current ethical issues in biology, including topics in genetics and biotechnology, reproductive technology, species conservation, use of natural resources, and medicine and human/nonhuman interests. Understanding and application of value-choices and ethics is emphasized. One three-hour lecture per week.

Prerequisites

BIO 115 and 216

DEPARTMENT:

Biological Sciences

BIO310 - Vertebrate Natural History
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An examination of the natural history of vertebrates, including identification, taxonomy, ecology, evolution, behavior, conservation, and management with an emphasis on species found in the eastern U.S. Four hours lecture/laboratory per week plus required field trips.

Prerequisites

BIO 221

DEPARTMENT:

Biological Sciences

BIO320 - Comparative Vertebrate Anatomy
CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

Dissection and study of representative chordate systems with emphasis on the anatomy and evolution of fishes, amphibians, reptiles, birds, and mammals. May require additional laboratory supplies fee. Eight hours of class per week. (Spring)

Prerequisites

BIO 115, 216, and 221

DEPARTMENT:

Biological Sciences

BIO321 - Cell Biology: Mechanisms
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A detailed consideration of biological systems, their properties and interrelationships. Cellular and molecular biology are emphasized. Three lectures per week.

Prerequisites

BIO 115 and sophomore status

DEPARTMENT:

Biological Sciences

BIO322 - Animal Physiology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Introductory study of animal physiology. The organ and systems approach is used to compare animals. Emphasis on vertebrates and certain invertebrates. Three lectures and three hours laboratory per week. Prerequisites: BIO 115 and sophomore status, two semesters of chemistry, or permission of instructor.

Prerequisites

BIO 115 and sophomore status or two semesters of chemistry

DEPARTMENT:

Biological Sciences

BIO323 - Cell Biology: Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Discussion of the modern concepts of cell biology as applied to cell interactions in multi-cellular organisms.

Prerequisites

BIO 115 and sophomore status

DEPARTMENT:

Biological Sciences

BIO325 - Biological Anthropology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ANT325 - Biological Anthropology

Description

The biological nature of man. A survey of man's physical origin, his primate background and his evolution. Cultural association with fossil evidence and concepts of race. (Same as ANT 325.)

DEPARTMENT:

Biological Sciences

BIO330 - Principles of Ecology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An introduction to the fundamental concepts of ecology as they pertain to plants and animals, including humans. Emphasis will be placed on the basic principles of evolutionary, population, community, and ecosystem ecology. Three lectures and two hours laboratory per week.

Prerequisites

BIO 216 and BIO 221 or 222

DEPARTMENT:

Biological Sciences

BIO333 - Genetics
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An introduction to molecular and classical genetics with laboratory experiments involving various organisms used extensively in genetic studies. Three hours of lecture and three hours of laboratory per week.

Prerequisites

BIO 115 and sophomore status

DEPARTMENT:

Biological Sciences

BIO350 - Systematic Botany
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Discussion of the vascular plants with emphasis on classification and phylogeny. Laboratory and field studies of the vascular plants of West Kentucky focusing on their identification, habitats, distribution and ecological role in this region.

Prerequisites

BIO 222

DEPARTMENT:

Biological Sciences

BIO352 - Wetland Plant Identification
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

This course will enable students to identify wetland plants using botanical manuals and floras. The class will consist of several sessions on the following groups: woody plants, herbaceous eudicots, graminoids (grasses, sedges, and rushes) and other monocots. Lecturers will emphasize morphology, terminology and identification. Diagnostic features of common wetland plants and field characteristics of those species will be presented. Plants representative of that day's topic(s) will be collected daily in the field and keyed in the classroom, in both directed and individual keying exercises.

Prerequisites

BIO 222

DEPARTMENT:

Biological Sciences

BIO377 - Conservation Genetics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the field of conservation genetics. Emphasis will be placed on theoretical and applied aspects of changes in gene frequencies and how genetic analyses can be integrated into wildlife and conservation biology.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO380 - Wildlife Techniques
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A survey and application of methods and techniques used in wildlife management and research including research design and analysis, passive sampling techniques, capture techniques, animal handling and marking, population estimation, telemetry, measuring habitat use and selection, and chemical immobilization. A weekend trip and other field work outside of the lecture and lab period will be required.

Prerequisites

BIO 149, 216, and 221 or 222; sophomore standing

DEPARTMENT:

Biological Sciences

BIO382 - Scientific Communication for the Biologist
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course concentrates on the methods for preparation and presentation of wildlife research and communication with the general public in written and oral formats.

Prerequisites

BIO 216

DEPARTMENT:

Biological Sciences

BIO387 - International Experience in the Biological Sciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study abroad course that includes meetings during the regular session as well as a short-term (10-14 days of travel) study abroad experience highlighting selected areas in biological inquiry in another country and culture (e.g., ecosystems and conservation issues in another biome; visiting museums, universities and laboratories of foreign scientists). The course includes pre- and post-travel meetings, lectures, readings and discussions. This course can be taken more than once if travel is to different countries but can only be counted once toward the biology degree. BIO 115, 216, and 330 recommended.

DEPARTMENT:

Biological Sciences

BIO388 - Biomedical Research II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The student will be involved in biomedical research with faculty members who agree to direct them. The student will work on a project under the direction of the research mentor. The student will write a research proposal including background information, specific aims and methods to be turned in near the end of the semester. The project will be initiated and a progress report will be submitted at the conclusion of the semester. A minimum of 6 hours per week of research is expected.

Prerequisites

Admission into the biomedical sciences program; permission from a research mentor; and BIO 290

DEPARTMENT:

Biological Sciences

BIO389 - Biomedical Research III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The student will be involved in biomedical research with faculty members who agree to direct them. The student will work on a project under the direction of the research mentor. The student will continue the project initiated in Biomedical Research II. The student will submit a research paper with an introduction, results and discussion, and methods, and make an oral presentation to the biomedical research group. A minimum of 6 hours per week of research is expected.

Prerequisites

Admission into the biomedical sciences program, permission from a research mentor, and completion of BIO 290 and BIO 388

DEPARTMENT:

Biological Sciences

BIO391 - Undergraduate Research I
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Research projects arranged individually with faculty members who agree to direct the research. A written plan of research must be filed with the chair within two weeks of the beginning of the semester. (A maximum of three credit hours total from BIO 391, 392, 483, 484, 489, 493, 494 may be used toward the minimum requirements for the biology major or minor.) (Available year round)

DEPARTMENT:

Biological Sciences

BIO392 - Undergraduate Research II
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Research projects arranged individually with faculty members who agree to direct the research. A written plan of research must be filed with the chair within two weeks of the beginning of the semester. (A maximum of three credit hours total from BIO 391, 392, 483, 484, 489, 493, 494 may be used toward the minimum requirements for the biology major or minor.)

DEPARTMENT:

Biological Sciences

BIO420 - Vertebrate Embryology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Comparative, developmental anatomy of the vertebrates with emphasis on the embryological development of humans. Two lectures and four hours laboratory per week.

Prerequisites

BIO 333

DEPARTMENT:

Biological Sciences

BIO421 - Vertebrate Histology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A course designed for the identification and comparative study of cells, tissues, and organs of representative mammals. Two lectures and four hours laboratory per week.

Prerequisites

BIO 115

DEPARTMENT:

Biological Sciences

BIO438 - Biomedical Research IV
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

The student will be involved in biomedical research with faculty members who agree to direct them. The student will work on a project under the direction of the research mentor. The student will write a research proposal including background information, specific aims and methods to be turned in near the end of the semester. The project will be initiated and a progress report will be submitted at the conclusion of the semester. A minimum of 8 hours per week of research is expected. Research with a mentor other than the mentor used in BIO 388 is encouraged. Credit for this course will be offered in the summer to biomedical science students who are conducting off-campus research at an affiliated research site. Prerequisites: admission into the biomedical sciences program, permission from a research mentor, and completion of BIO 290 and BIO 388.

Prerequisites

Admission into the biomedical sciences program, permission from a research mentor, and completion of BIO 290 and BIO 388

DEPARTMENT:

Biological Sciences

BIO439 - Biomedical Research V
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

The student will be involved in biomedical research with faculty members who agree to direct them. The student will work on a project under the direction of the research mentor. The student will continue the project initiated in BIO 438. The student will submit a research paper with an introduction, results and discussion, and methods, and make an oral presentation to the biomedical research group. A minimum of 8 hours per week of research is expected. Credit for this course will be offered in the summer to biomedical science students who are conducting off-campus research at an affiliated research site.

Prerequisites

Admission into the biomedical sciences program, permission from a research mentor, and completion of BIO 290 and BIO 438

DEPARTMENT:

Biological Sciences

BIO450 - Exercise Physiology

CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

Description

Students will become acquainted with general concepts in exercise physiology. Some topics to be included are cardiovascular function, neural control, musculo-skeletal responses, and respiratory function. Lab activities will be integrated. Students will collect data, compile results and complete laboratory reports. Each student will review and summarize at least one research article from approved refereed journals in the field.

Prerequisites

BIO 227 and 228 or EXS 250, BIO 229 and 230

DEPARTMENT:

Biological Sciences

BIO460 - Principles of Biomathematics

CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

MAT460 - Principles of Biomathematics

Description

The study of biological and mathematical models is united in this research-based course. A variety of quantitative biological models and their underlying mathematics are studied, with an emphasis on population dynamics and evolutionary biology. Students engage in research and communicate their results. Laboratory experiences and short-distance field trips are required. Only one of BIO 460 and BIO 461 may count as an elective for the biology major or minor. (Same as MAT 460.)

Prerequisites

BIO 216 and MAT 250

DEPARTMENT:

Biological Sciences

BIO461 - Biomathematics in Biomedical Sciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

MAT461 - Biomathematics in the Biomedical Sciences

Description

A variety of quantitative biological models and their underlying mathematics are studied, with an emphasis on epidemiology, genetics, and physiology. Students engage in research and communicate their results. Laboratory experiences and short-distance field trips are required. Only one of BIO 460 or BIO 461 may count as an elective for the biology major or minor. (Same as MAT 461.)

Prerequisites

MAT 250 and BIO 216

DEPARTMENT:

Biological Sciences

BIO467 - General Parasitology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of the principles of parasitology, including the morphology, taxonomy, life history and ecology of parasites. Laboratory will involve identification of important parasite groups, methods for host examination, diagnosis, and microtechniques. Two hours of lecture and four hours of laboratory per week.

Prerequisites

BIO 221

DEPARTMENT:

Biological Sciences

BIO483 - Undergraduate Teaching Methods I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed for students interested in teaching in the life sciences, especially students working towards teaching certification. The course provides students with the opportunity to learn and apply teaching techniques in the classroom under the direct supervision of a faculty member. Teaching experiences are arranged individually with a faculty member. (A maximum of three credit hours total from BIO 391, 392, 483, 484, 489, 493, 494 may be used toward the minimum requirements for the biology major or minor.)

Prerequisites

Junior or senior standing as a major within the College of Science and permission of the instructor and academic advisor

DEPARTMENT:

Biological Sciences

BIO484 - Undergraduate Teaching in Biology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Designed for students interested in teaching in the life sciences, especially students working towards teaching certification. The course provides students with the opportunity to learn and apply teaching techniques in the classroom under the direct supervision of a faculty member. Teaching experiences are arranged individually with a faculty member. (A maximum of three credit hours total from BIO 391, 392, 483, 484, 489, 493, 494 may be used toward the minimum requirements for the biology major or minor.)

Prerequisites

Junior or senior standing as a major within the College of Science and permission of the instructor and academic advisor

DEPARTMENT:

Biological Sciences

BIO488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

DEPARTMENT:

Biological Sciences

BIO489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. (A maximum of three credit hours total from BIO 391, 392, 483, 484, 489, 493, 494 may be used toward the minimum requirements for the biology major or minor.)

DEPARTMENT:

Biological Sciences

BIO493 - Undergraduate Research III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Research projects arranged individually with faculty members who agree to direct the research. A written plan of research must be filed with the chair within two weeks of the beginning of the semester. (A maximum of three credit hours total from BIO 391, 392, 483, 484, 489, 493, 494 may be used toward the minimum requirements for the biology major or minor.)

DEPARTMENT:

Biological Sciences

BIO494 - Undergraduate Research IV
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Research projects arranged individually with faculty members who agree to direct the research. A written plan of research must be filed with the chair within two weeks of the beginning of the semester. (A maximum of three credit hours total from BIO 391, 392, 483, 484, 489, 493, 494 may be used toward the minimum requirements for the biology major or minor.)

DEPARTMENT:

Biological Sciences

BIO499 - Senior Biology Seminar
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The course exposes biology students to various career options through participation in the departmental seminar series, provides a review of biological concepts through directed study, and provides an assessment of the department's academic programs with a nationally standardized test. Weekly seminar and/or discussion. Prerequisite: BIO 222, 333 or 377, biology major, and senior standing.

Prerequisites

BIO 222, 333 or 377, biology major, and senior standing

DEPARTMENT:

Biological Sciences

BIO501 - Immunology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A discussion of immune response, formation of antibodies, structure of antibodies, antigen-antibody reactions, hypersensitivity, and allergic response. Laboratory includes techniques and methods for production and detection of antigen-antibody reactions. Two lectures and four hours of laboratory per week.

Prerequisites

BIO 300 or 321 or 323

DEPARTMENT:

Biological Sciences

BIO504 - Medical Cell Biology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A discussion of cell biology as related to the field of medicine and clinical knowledge. Emphasis is placed on the most recent applications of cellular and molecular techniques used in the research, diagnosis and treatment of clinical conditions. Considerations will be given to a wide range of topics, including cancer, neural regeneration, wound healing, aging, gene therapy, congenital deformation, AIDS and other prevalent disease states. Three hours of lecture per week.

Prerequisites

BIO 321

DEPARTMENT:

Biological Sciences

BIO506 - Advanced Field Biology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

For students who wish to learn the identification principles and actual identification of living organisms. Course work will include a study of the ecological aspects of the various organisms and their distribution. Techniques of teaching about nature will be emphasized.

Prerequisites

Junior or senior standing for science educations majors or graduate standing for science teachers

DEPARTMENT:

Biological Sciences

BIO514 - Scanning Electron Microscopy
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course is designed to teach students the theory, principles and applications of scanning electron microscopy (SEM). After a predetermined number of instructional hours, the student is expected to successfully complete a test which measures the competency of the individual in SEM operation. Subsequently, the student is required to complete a short research project utilizing SEM.

DEPARTMENT:

Biological Sciences

BIO521 - Cell Biology Laboratory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An experimental approach to modern laboratory techniques in Cell Biology. An emphasis will be placed on the mastery of common cellular and molecular techniques used in clinical, industrial and research settings. Six hours of laboratory per week.

Prerequisites

BIO 321

DEPARTMENT:

Biological Sciences

BIO522 - Pathophysiology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to physiological abnormalities in disease. For advanced students in, or headed for, careers in health related fields. Four hours of lecture per week.

Prerequisites

BIO 228 and 229, or BIO 322, or equivalent

DEPARTMENT:

Biological Sciences

BIO525 - Biogeography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The roles of geological, climatological, and biotic factors in explaining the past and current diversity and distribution of Earth's plants and animals will be studied. Underlying processes, current theory, and applications are stressed over actual diversity and distribution patterns themselves.

Prerequisites

BIO 101 or 115, plus nine additional hours of biology and/or geosciences

DEPARTMENT:

Biological Sciences

BIO527 - Advanced Ecology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Course focus is on an advanced understanding of ecology and the interaction of organisms with their environment. Ecology will be studied across the individual, population, community, and ecosystem levels. Students are expected to already have a basic understanding of ecology before taking this course. Field trips may be required.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO528 - Neurobiology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Examines vertebrate and invertebrate nervous systems at the cellular and systems levels. Topics include: (1) cellular processes of neurons and glial cells, (2) synapses and synapse formation, (3) sensory systems, (4) motor systems, and (5) learning and memory. Three hours of lecture per week.

Prerequisites

BIO 321 or 322 recommended

DEPARTMENT:

Biological Sciences

BIO529 - Teaching Science Through Inquiry
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Students will learn and apply current inquiry based instructional methods and assessment strategies to teach science. Students will also gain the basic data management and analytical skills necessary to conduct action research. The course will follow a workshop style format modeling inquiry based methods. A significant amount of independent and group work is expected outside of class meetings. Graduate students will develop, implement and assess an inquiry based module outside of class.

Prerequisites

Admission to teacher education

DEPARTMENT:

Biological Sciences

BIO530 - Systematics and Bioinformatics
CREDITS:

4

COURSE LEVEL:

Graduate

Description

This course will focus particularly on systematics and phylogenetic analyses, although other bioinformatics-related topics such as genomics and geographic information systems will be included. Students will search bioinformatic data sources, retrieve and edit data, and perform computer analysis on protein, DNA, and morphological data. Underlying biological processes will also be discussed. Three hours lecture and two hours computer lab per week.

Prerequisites

BIO 333

DEPARTMENT:

Biological Sciences

BIO531 - International Experience in the Biomedical Sciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A half spring semester plus short-term (10-14 days of travel) study abroad program highlighting biomedical sciences by interacting with leading medical scientists and attending medical school classes in Japan or other selected countries. In the spring semester, students discuss current topics in biomedical science and develop in-depth projects. The students integrate their new knowledge form their study abroad activities and experience into their projects.

DEPARTMENT:

Biological Sciences

BIO532 - Quantitative Ecology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An introduction to ecological data analysis and interpretation. Emphasis is placed on the understanding of ecological data structure and analytical methods. Major topics include sampling, diversity analysis, resemblance measurements, formal classification techniques, and pattern recognitions.

Prerequisites

BIO 330 and STA 135

DEPARTMENT:

Biological Sciences

BIO533 - Molecular Genetics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A lecture course which involves discussions of general concepts of DNA structure, replication and translation. Current concepts in bacterial and bacteriophage genetics, such as gene transfer, recombination, gene regulation, and recombinant DNA technology will be examined.

Prerequisites

BIO 333

DEPARTMENT:

Biological Sciences

BIO534 - Molecular Genetics Laboratory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The laboratory covers classical bacterial and viral genetics such as transduction, conjugation, mutagenesis and mutant analysis by complementation, as well as recently developed recombinant DNA techniques. The student will get hands-on experience in DNA and RNA purification, restriction, endonuclease mapping, cloning and expression of foreign DNA in E. coli and DNA sequencing. These techniques and a clear understanding of the processes involved in gene expression will equip the student well for either a position in industry or graduate study.

Prerequisites

Previous or concurrent BIO 533

DEPARTMENT:

Biological Sciences

BIO536 - Evolution
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of evolutionary concepts.

Prerequisites

BIO 333

DEPARTMENT:

Biological Sciences

BIO538 - Animal Behavior
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the principles of animal behavior. Ecological and evolutionary implications of animal behavior are emphasized.

Prerequisites

BIO 221 and 330

DEPARTMENT:

Biological Sciences

BIO539 - Animal Behavior Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

An introduction to testing hypotheses in animal behavior. Ecological and evolutionary implications of animal behavior are emphasized. Three hours of laboratory per week.

Prerequisites

BIO 221 and 330; BIO 538 or concurrent enrollment

DEPARTMENT:

Biological Sciences

BIO540 - Field Biometry
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Students will learn and practice descriptive statistics, experimental design, regression, ANOVA, ANCOVA, and data management. In contrast to other statistics courses, students will spend more of their time in the field than in the classroom.

Prerequisites

Any field biology course or BIO 330

DEPARTMENT:

Biological Sciences

BIO541 - Winter Ecology: Life in the Colder Seasons
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course focus is on survival strategies for the colder months of the year (mid-fall through mid-spring) in various climates, including physiological, morphological, and behavioral adaptations. Adaptations for both animals and plants, as well as plant animal interactions, are considered in both terrestrial and aquatic (under ice) systems. Human adaptations to cold climates are also considered.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO542 - Watershed Ecology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EES542 - Watershed Ecology

Description

The study of the movement of water through the environment and its relationship to biotic systems. Areas emphasized include the hydrologic cycle and its influence on groundwater, lotic, and lentic systems; the effect of water on plant and animal communities; and the influence of human activity on watershed structure and function. (Same as EES 542.)

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO546 - Stream Ecology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

The interactions of stream organisms with each other and their abiotic environments will be examined. An area stream will be used as an example for physical and chemical characteristics of a stream and adaptations of organisms to their environments. One weekend field trip required.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO548 - Principles of Managing Disease in Wildlife
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of the principle of disease transmission, disease maintenance, and how biologists monitor for and manage for disease in free-living wild animals species. The effects on the individual animals, wildlife population, and human will be discussed. Current issues in wildlife diseases will highlight how these principles are applied in the field. Three hours of lecture per week.

Prerequisites

One course from AGR 300, BIO 216, HEA 311, or NUR 301

DEPARTMENT:

Biological Sciences

BIO549 - Fisheries Techniques
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Course will provide instruction in many techniques used by fishery scientists. Students will learn about field sampling, laboratory analysis, computer modeling, and statistical analysis of fisheries data. The course will take advantage of the Hancock Biological Station to provide extensive hands-on practice in all techniques. Three lectures plus four hours lab per week.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO552 - Native Plants for Wildlife
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course will study the relationships between animals and the native plant species or plant groups they utilize for food, protection, and shelter. Food availability by season will be considered for wildlife habitat management purposes. Students will learn to recognize various plants by species, genus, and/or family. Seed collection, storage, and germination techniques will be covered.

Prerequisites

BIO 222

DEPARTMENT:

Biological Sciences

BIO553 - Field Botany
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A survey of the flora of West Kentucky and surrounding states. This course should be of interest to anyone interested in the plants of the region. Emphasis will be placed on field identification of common species, identification using keys, collection, and preparation of herbarium specimens, and general plant ecology of the region.

Prerequisites

BIO 222

DEPARTMENT:

Biological Sciences

BIO554 - Dendrology and Forest Conservation

CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Course is designed to teach students two main bodies of knowledge. First is an ability to identify common tree species in the eastern US and to know their natural histories and their value as timber and habitat. Second is an understanding of how these various species interact with each other and their environment to compose functioning forests, along with forest management strategies for a wide range of natural resource goals. With this knowledge, students will "see both the forest and the trees." Class will comprise three hours of lecture and four hours of field-oriented lab per week. A course in ecology is recommended.

Prerequisites

BIO 216 and BIO 222

DEPARTMENT:

Biological Sciences

BIO557 - Systematics and Bioinformatics

CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course will focus particularly on systematics and phylogenetic analyses, although other bioinformatics-related topics such as genomics and geographic information systems will be included. Students will search bioinformatic data sources, retrieve and edit data, and perform computer analysis on protein, DNA, and morphological data. Underlying biological processes will also be discussed. Three hours lecture and two hours computer lab per week.

Prerequisites

BIO 333

DEPARTMENT:

Biological Sciences

BIO561 - Freshwater Invertebrates
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Functional anatomy, ecology and taxonomy of the freshwater invertebrates. Emphasis will be placed on collection, preserving and identifying invertebrates of this region. Two lectures and four hours of laboratory per week.

Prerequisites

BIO 221

DEPARTMENT:

Biological Sciences

BIO563 - Aquatic Entomology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

The study of the ecology, natural history, life cycles, taxonomy and systematics of lotic and lentic insects. The class will include several field trips to aquatic habitats and the preparation of a working collection. Two hours lecture and four hours laboratory per week.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO564 - Entomology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

The introduction to the study of insects. Students become acquainted with about 200 Families of insects living in the terrestrial and aquatic habitats of the Midwest. Lectures include classification, identification, evolution, ecology, agriculture, epidemiology, and forensics. Laboratory activities include identification, field sampling, specimen preparation, and insect behavior. Each student conducts a small laboratory or field project on some aspect of insect ecology, behavior, or natural history.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO565 - Biogeochemistry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

CHE565 - Biogeochemistry
EES565 - Biogeochemistry

Description

Survey and discussion of the scientific literature on global cycles of carbon, nitrogen, phosphorus and man-made chemicals with special emphasis on the biogeochemical and ecological processes that affect terrestrial and aquatic ecosystems. The course will focus on interdisciplinary themes that incorporate new research results form the fields of biology, chemistry, and geosciences. (Same as CHE/GSC 565.)

Prerequisites

Junior or higher standing in biology, chemistry or geosciences

DEPARTMENT:

Biological Sciences

BIO568 - Wetland Ecology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An introduction to the hydrology, geomorphology, and biogeochemical processes of wetlands, and to the population, community and ecosystem ecology relevant to wetland habitats. The course places a dual emphasis on understanding: 1) the processes underlying important wetland functions and 2) the evolutionary ecology organisms that inhabit these terrestrial/aquatic ecotones. Laboratory exercises will train students to identify, delineate and assess the health of wetlands and to perform original research in wetland environments.

Prerequisites

One 4-credit ecology course and one botany course

DEPARTMENT:

Biological Sciences

BIO570 - Ichthyology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Natural history of fishes, their systematics and some anatomical and physiological relationships with the environment. One weekend fieldtrip required. Three lectures and one afternoon of lab per week.

Prerequisites

BIO 221

DEPARTMENT:

Biological Sciences

BIO572 - Herpetology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of the taxonomy, morphology and natural history of reptiles and amphibians. Emphasis is placed on those species occurring in the central United States. Two lectures and four hours of laboratory per week.

Prerequisites

BIO 221 and 330

DEPARTMENT:

Biological Sciences

BIO573 - Ornithology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Study of avian biology with emphasis on anatomy, physiology and classification of birds. Three lectures and two laboratory hours per week. Requires weekend field trip.

Prerequisites

BIO 221 and 330

DEPARTMENT:

Biological Sciences

BIO574 - Mammalogy
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of the classification and biology of mammals. Identification and collection of mammals, particularly those of the central United States, will be emphasized in laboratory. Two lectures and four hours of laboratory per week. Some weekend and Saturday field trips required.

Prerequisites

BIO 221 and 330

DEPARTMENT:

Biological Sciences

BIO577 - Population and Conservation Genetics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An advanced study of the theories of genetic change in populations. Emphasis will be placed on theoretical aspects of change in gene frequencies as well as practical applications in the field of conservation biology.

Prerequisites

BIO 330 and 333

DEPARTMENT:

Biological Sciences

BIO578 - Conservation Biology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An advanced study of the conservation of life at numerous levels of organization. Emphasis will be placed on modern empirical and theoretical studies of the maintenance, loss, and restoration of biological diversity, endangered species, and habitats. Three one-hour lectures and three hours of laboratory per week.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO579 - Zoological Conservation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the role of zoos in conservation. Topics will include in situ and ex situ conservation efforts; captive breeding and reintroduction of species; nutrition and behavioral enrichment of captive animals; animal welfare; education; and sustainability. A weekend trip to a zoo will be required.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO580 - Principles of Wildlife Management
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Analysis and application of wildlife vegetation and population management practices to benefit wildlife populations and their habitat. The course will emphasize understanding the ecological principles and scientific research that form the foundation of wildlife management. Requires weekend field trips.

Prerequisites

BIO 380

DEPARTMENT:

Biological Sciences

BIO581 - Applied Natural Resources Economics, Policy, and Administration
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course concentrates on the application of microeconomic theory to natural resources policy, administration, and decision making in areas such as endangered species management, wildlife damage management, non-game management, and game management. This course will also discuss how the public uses economics to make personal decisions about natural resources.

Prerequisites

ECO 231

DEPARTMENT:

Biological Sciences

BIO582 - Fisheries Management
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Ecology and management of freshwater fishes. Methods of fishery investigation will be emphasized. Three lectures and four hours of laboratory per week.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO584 - Wildlife Policy and Administration
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of wildlife law, policy, and administration emphasizing the theories, history, causes, and science underlying law and policy implementation, how laws and policies influence wildlife research and management, and understanding the structure of wildlife agencies at the state and federal level. (Spring, odd years)

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO586 - Limnology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of the interrelationships of the physical, chemical and biological features of lakes and streams.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO587 - Freshwater Biology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Study of the aquatic organisms, their biology, distributions, and ecology in natural aquatic communities and habitats in Kentucky Lake, streams, springs, and wetlands near the Hancock Biological Station. Aquatic organisms to be surveyed include bacteria, algae, aquatic plants, invertebrates, and vertebrate animals. Includes two lectures and four hours of laboratory per week.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO588 - Reservoir Ecology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An examination of the variation in chemical and biological phenomena that characterize river impoundments. Literature reading and discussion is followed by 1) learning techniques of observation to identify pattern and process in nature, and 2) designing and conducting field experiments to assess cause and effect relationships.

DEPARTMENT:

Biological Sciences

BIO590 - Disturbance Ecology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Relationships among organisms and with their environment are often heavily influenced by ecological disturbances that damage and kill individuals and thereby alter dynamics of entire ecosystems. This class will examine a wide range of ecological disturbances in terms of 1) the physical phenomena, 2) the effects of those phenomena on organisms, and 3) the response of organisms in terms of population-, community-, watershed- and ecosystem-dynamics. The course will examine the following disturbances in ecological terms within the context of global environmental change: fires, hurricanes, tornados, ice storms, floods, droughts, habitat fragmentation, invasive species, and others of the students' own choosing.

Prerequisites

BIO 330 or equivalent

DEPARTMENT:

Biological Sciences

BIO595 - Wildlife/Fisheries Internship
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

A practical experience/study situation where the student works a 40-hour week in the field under the supervision of a wildlife biologist. Bimonthly progress reports are required to be submitted to both the university staff and the wildlife biologist. (Summer)

Prerequisites

Students must have junior standing to be considered

DEPARTMENT:

Biological Sciences

BIO596 - Field Studies in Ecology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Two weeks or more will be spent living at a field site(s) studying the ecology of a selected ecosystem(s) (e.g., tropical rainforest, coral reef, mangrove swamp, pine forest). Students will gain an understanding of the selected ecosystem's structure and function, including the roles of human cultural and economic influences. Studies are expected to occur in geographic areas other than western Kentucky.

DEPARTMENT:

Biological Sciences

BIO597 - Topics in Advanced Molecular Biology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Taught from the current literature, this course focuses on new topics in cell and molecular biology. A combination of lecture and student seminars. Students taking the course for graduate credit will be required to complete a library research paper.

Prerequisites

BIO 533

DEPARTMENT:

Biological Sciences

BIO598 - Topic in Advanced Evolutionary and Organism Biology
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

Students explore topics in biology in the fields of evolutionary and organismal biology. Learning experiences will include a combination of lecture, laboratory work, library assignments, and discussions of literature. Course may be repeated once for credit, for a maximum of eight (8) hours among BIO 597, 598, and 599.

Prerequisites

BIO 305 or 310

DEPARTMENT:

Biological Sciences

BIO599 - Topics in Advanced Ecological Sciences
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

Students explore topics in biology in the fields of population, community or landscape ecology. Learning experiences will include a combination of lecture, laboratory work, library assignments, and discussions of literature. Course may be repeated for credit for a maximum of eight hours among BIO 597, 598, and 599.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO604 - Medical Cell Biology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A discussion of cell biology as related to the field of medicine and clinical knowledge. Emphasis is placed on the most recent applications of cellular and molecular techniques used in the research, diagnosis and treatment of clinical conditions. Considerations will be given to a wide range of topics, including cancer, neural regeneration, wound healing, aging, gene therapy, congenital deformation, AIDS and other prevalent disease states. Three hours of lecture per week.

Prerequisites

BIO 321

DEPARTMENT:

Biological Sciences

BIO606 - Advanced Field Biology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

For students who wish to learn the identification principles and actual identification of living organisms. Course work will include a study of the ecological aspects of the various organisms and their distribution. Techniques of teaching about nature will be emphasized.

DEPARTMENT:

Biological Sciences

BIO614 - Scanning Electron Microscopy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course designed to teach students the theory, principles and applications of scanning electron microscopy (SEM). After a predetermined number of instructional hours, the student is expected to successfully complete a test which measures the competency of the individual in SEM operation, specimen preparation, and remote operations. Subsequently, the student is required to complete a short research project utilizing SEM that includes applications to remote operations.

DEPARTMENT:

Biological Sciences

BIO620 - Advanced Physiology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A detailed discussion of physiology from the cellular and molecular level to the systems level.

Prerequisites

Previous course in physiology recommended

DEPARTMENT:

Biological Sciences

BIO621 - Cell Biology Laboratory
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An experimental approach to modern laboratory techniques in Cell Biology. An emphasis will be placed on the mastery of common cellular and molecular techniques used in clinical, industrial and research settings. Six hours of laboratory per week.

Prerequisites

BIO 321

DEPARTMENT:

Biological Sciences

BIO622 - Pathophysiology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Introduction to physiological abnormalities in disease. For advanced students in, or headed for, careers in health related fields. Four hours of lecture per week.

Prerequisites

BIO 228 and 229, or BIO 322, or equivalent

DEPARTMENT:

Biological Sciences

BIO623 - Physiological Ecology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

An examination of physiological diversity in relation to the environments in which organisms live or have lived. This encompasses aspects of behavior, morphology, biochemistry and evolutionary biology among other fields. Problem-solving approaches involving problem posing, problem probing, and peer persuasion will be stressed to promote the learning of strategies of scientific research. Students will design and conduct research projects.

Prerequisites

BIO 330; BIO 322 is recommended

DEPARTMENT:

Biological Sciences

BIO625 - Biogeography
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The role of geological, climatological, and biotic factors in explaining the past and current diversity and distribution of Earth's plants and animals. Underlying processes, current theory, and applications are stressed over actual diversity and distribution patterns themselves. Three hours lecture per week.

Prerequisites

Three hours of biology and 12 of biology and/or geosciences

DEPARTMENT:

Biological Sciences

BIO629 - Teaching Science Through Inquiry
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Students will learn and apply current inquiry based instructional methods and assessment strategies to teach science. Students will also gain the basic data management and analytical skills necessary to conduct action research. The course will follow a workshop style format modeling inquiry based methods. A significant amount of independent and group work is expected outside of class meetings. Graduate students will develop, implement and assess an inquiry based module outside of class.

DEPARTMENT:

Biological Sciences

BIO630 - Advanced Ecology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Course focus is on an advanced understanding of ecology, and the interaction of organisms with their environment. Ecology will be studied across the individual, population, community, and ecosystem levels. Students are expected to already have a basic understanding of ecology before taking this course.

Prerequisites

One introductory course in ecology

DEPARTMENT:

Biological Sciences

BIO631 - Plant Ecology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

A general study of the interactions of individual plants and plant communities with their environment, emphasizing the nature and energetics of environment-organism interrelationships and species-community dynamics. Methods of analysis and interpretation of field data are stressed. Field work comprises an integral part of the course. Two lectures and four hours of laboratory per week.

Prerequisites

BIO 330 and either BIO 154, 350, or 553

DEPARTMENT:

Biological Sciences

BIO632 - Quantitative Ecology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

An introduction to ecological data analysis and interpretation. Emphasis is placed on the understanding of ecological data structure and analytical methods. Major topics include sampling, diversity analysis, resemblance measurements, formal classification techniques, and pattern recognitions. Two lectures and four hours of computer lab per week.

Prerequisites

BIO 330 and STA 135

DEPARTMENT:

Biological Sciences

BIO633 - Molecular Genetics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A lecture course which involves discussions of general concepts of DNA structure, replication and translation. Current concepts in bacterial and bacteriophage genetics, such as gene transfer, recombination, gene regulation, and recombinant DNA technology will be examined.

Prerequisites

BIO 300 and 333

DEPARTMENT:

Biological Sciences

BIO634 - Molecular Genetics Laboratory
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The laboratory covers classical bacterial and viral genetics such as transduction, conjugation, mutagenesis and mutant analysis by complementation, as well as recently developed recombinant DNA techniques. The student will get hands-on experience in DNA and RNA purification, restriction, endonuclease mapping, cloning and expression of foreign DNA in E. coli and DNA sequencing. These techniques and a clear understanding of the processes involved in gene expression will equip the student well for either a position in industry or graduate study.

Prerequisites

Previous or concurrent BIO 633

DEPARTMENT:

Biological Sciences

BIO636 - Evolution
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of evolutionary concepts.

Prerequisites

BIO 333

DEPARTMENT:

Biological Sciences

BIO638 - Animal Behavior
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An introduction to the principles of animal behavior. Ecological and evolutionary implications of animal behavior are emphasized. Two lectures and four hours of laboratory per week.

Prerequisites

BIO 221 and 330

DEPARTMENT:

Biological Sciences

BIO639 - Animal Behavior Laboratory
CREDITS:

1

COURSE LEVEL:

Graduate

Description

An introduction to testing hypotheses in animal behavior. Ecological and evolutionary implications of animal behavior are emphasized. Three hours of laboratory per week.

Prerequisites

BIO 221 and BIO 330; BIO 538 or concurrent enrollment

DEPARTMENT:

Biological Sciences

BIO640 - Field Biometry
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Students will learn and practice descriptive statistics, experimental design, regression, ANOVA, ANCOVA, and data management. In contrast to other statistics courses, students will spend more of their time in the field than in the classroom.

Prerequisites

Any field biology course or BIO 330

DEPARTMENT:

Biological Sciences

BIO641 - Winter Ecology: Life in the Cold Seasons
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course focus is on survival strategies for the colder months of the year (mid-fall through mid-spring) in various climates, including physiological, morphological, and behavioral adaptations. Adaptations for both animals and plants, as well as plant-animal interactions, are considered in both terrestrial and aquatic (under ice) systems. Human adaptations to cold climates are also considered.

Prerequisites

One introductory course in ecology

DEPARTMENT:

Biological Sciences

BIO642 - Watershed Ecology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The study of the movement of water through the environment and its relationship to biotic systems. Areas emphasized include the hydrologic cycle and its influence on groundwater, lotic, and lentic systems; the effect of water on plant and animal communities; and the influence of human activity on watershed structure and function.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO644 - Graduate Cooperative Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A meaningful, planned and evaluated work experience related to the career and educational objectives of the student for which both pay and graduate credit may be received. Graded pass/fail.

DEPARTMENT:

Biological Sciences

BIO645 - Microbial Ecology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

A study of the basic principles, concepts and function of microbes (eubacteria, archebacteria and cyanobacteria) in the environment. Emphasis will be placed on energy relationships and the role of microbes in mineral cycling in soils, sediments, and fresh water. Two 75-minute lectures and one 2-hour lab per week.

Prerequisites

BIO 300

DEPARTMENT:

Biological Sciences

BIO646 - Stream Ecology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

The interactions of stream organisms with each other and their abiotic environments will be examined. An area stream will be used as an example for physical and chemical characteristics of a stream and adaptations of organisms to their environments. One weekend field trip required.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO648 - Principles of Managing Disease in Wildlife
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An exploration of the principles of disease transmission, disease maintenance, and how biologists monitor for and manage for disease in free living wild animal species. The effect on the individual animal, wildlife population, and human will be discussed. Current issues in wildlife diseases will highlight how these principles are applied in the field. Three hours of lecture per week.

Prerequisites

one course from AGR 300, BIO 216, HEA 311, or NUR 301

DEPARTMENT:

Biological Sciences

BIO649 - Fisheries Techniques
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Course will provide instruction in many techniques used by fishery scientists. Students will learn about field sampling, laboratory analysis, computer modeling, and statistical analysis of fisheries data. The course will take advantage of the Hancock Biological Station to provide extensive hands-on practice in all techniques. Three lectures plus four hours lab per week.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO650 - Advanced Cell and Molecular Biology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course intended to give students an in-depth understanding of a variety of regulative strategies cells use to maintain existence. Topics included will be selected from modern interpretations of cell systems; including metabolic strategies, differentiation, cell energetics, and gene control systems. The course will be taught from a perspective of applied bioinformatics as related to genome diversity. A specific emphasis will be placed on the most recent advances in the field of cell and molecular biology, as revealed by current primary literature sources.

DEPARTMENT:

Biological Sciences

BIO651 - Molecular Mechanisms in Biosystems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will highlight the most current understanding of the molecular mechanisms that govern life of mulitcellular organisms. The role and function of biologically important molecules in cell specification and development of complex organisms will be discussed. The course will present concepts and data from different disciplines and provide a comprehensive mechanistic view of biological systems from the perspective of developmental genetics, cellular biology, biochemistry and structural biology. Library work will be required.

DEPARTMENT:

Biological Sciences

BIO652 - Native Plants for Wildlife
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course will study the relationships between animals and the native plant species or plant groups they utilize for food, protection, and shelter. Food availability by season will be considered for wildlife habitat management purposes. Students will learn to recognize various plants by species, genus, and/or family. Seed collection, storage, and germination techniques will be covered.

Prerequisites

One course in introductory botany

DEPARTMENT:

Biological Sciences

BIO653 - Field Botany
CREDITS:

4

COURSE LEVEL:

Graduate

Description

A survey of the flora of West Kentucky and surrounding states. This course should be of interest to anyone interested in the plants of the region. Emphasis will be placed on field identification of common species, identification using keys, collection, and preparation of herbarium specimens, and general plant ecology of the region.

Prerequisites

BIO 222

DEPARTMENT:

Biological Sciences

BIO654 - Dendrology and Forest Conservation
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Course is designed to teach students two main bodies of knowledge. First is an ability to identify common tree species in the eastern U.S. and to know their natural histories and their value as timber habitat. Second is an understanding of how these species interact with each other and their environment to compose functioning forests, along with forest management strategies for a wide range of natural resource goals. With this knowledge, students will "see both the forest and the trees." Class will comprise of three hours of lecture and four hours of field-oriented lab per week. A course in ecology is recommended.

Prerequisites

A general undergraduate botany class

DEPARTMENT:

Biological Sciences

BIO655 - Molecular Evolution
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Advanced study of the theories of genetic change on the molecular level. Emphasis will be placed on theoretical aspects of change in DNA sequence (change at the nucleotide level), the evolution of macromolecules and the reconstruction of evolutionary history of genes and organisms.

Prerequisites

BIO 333

DEPARTMENT:

Biological Sciences

BIO657 - Systematics and Bioinformatics
CREDITS:

4

COURSE LEVEL:

Graduate

Description

This course will focus particularly on systematics and phylogenetic analyses, although other bioinformatics-related topics such as genomics and geographic information systems will be included. Students will search bioinformatic data sources, retrieve and edit data, and perform computer analysis on protein, DNA, and morphological data. Underlying biological processes will also be discussed. Three hours lecture and two hours computer lab per week.

Prerequisites

BIO 333

DEPARTMENT:

Biological Sciences

BIO661 - Freshwater Invertebrates
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Functional anatomy, ecology and taxonomy of the freshwater invertebrates. Emphasis will be placed on collection, preserving and identifying invertebrates of this region. Two lectures and four hours of laboratory per week.

Prerequisites

BIO 221

DEPARTMENT:

Biological Sciences

BIO663 - Aquatic Entomology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

The study of the ecology, natural history, life cycles, taxonomy and systematics of lotic and lentic insects. The class will include several field trips to aquatic habitats and the preparation of a working collection. Two hours lecture and four hours laboratory per week.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO664 - Entomology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

The introduction to the study of insects. Students become acquainted with about 200 Families of insects living in the terrestrial and aquatic habitats of the Midwest. Lectures include classification, identification, evolution, ecology, agriculture, epidemiology, and forensics. Laboratory activities include identification, field sampling, specimen preparation, and insect behavior. Each student conducts a small laboratory or field project on some aspect of insect ecology, behavior, or natural history.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO665 - Biogeochemistry
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

CHE665 - Biogeochemistry

Description

Survey and discussion of the scientific literature on global cycles of carbon, nitrogen, phosphorus and man-made chemicals with special emphasis on the biogeochemical and ecological processes that affect terrestrial and aquatic ecosystems. The course will focus on interdisciplinary themes that incorporate new research results from the fields of biology, chemistry, and geosciences. (Same as CHE 665.)

DEPARTMENT:

Biological Sciences

BIO667 - Advanced Parasitology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to cover current topics in all aspects of parasitology. Emphasis is placed on each individual student reviewing selected topics in detail. Library work comprises an integral part of the course.

Prerequisites

BIO 467

DEPARTMENT:

Biological Sciences

BIO668 - Wetland Ecology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

An introduction to the hydrology, geomorphology, and biogeochemical processes of wetlands, and to the population, community and ecosystem ecology relevant to wetland habitats. The course places a dual emphasis on understanding: 1) the processes underlying important wetland functions and 2) the evolutionary ecology organisms that inhabit these terrestrial/aquatic ecotones. Laboratory exercises will train students to identify, delineate and assess the health of wetlands and to perform original research in wetland environments.

Prerequisites

One 4-credit ecology course and one botany course at the undergraduate or graduate level

DEPARTMENT:

Biological Sciences

BIO669 - Biological Limnology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the structure and function of aquatic communities and the influence of physicochemical and biological factors on the occurrence and distribution of aquatic organisms. Emphasis will be on lake and reservoir communities.

DEPARTMENT:

Biological Sciences

BIO670 - Limnological Analysis Laboratory
CREDITS:

4

COURSE LEVEL:

Graduate

Description

This course will provide a conceptual framework and techniques for measurement of physical, chemical and biological phenomena in lakes and reservoirs. Emphasis will be placed on experimental approaches to field and laboratory studies. Should follow BIO 586 or GSC 665 and BIO 669.

DEPARTMENT:

Biological Sciences

BIO671 - Ichthyology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Natural history of fishes, their systematics and some anatomical and physiological relationships with the environment. One weekend field trip required. Three lectures and one afternoon of lab per week.

Prerequisites

BIO 221

DEPARTMENT:

Biological Sciences

BIO672 - Herpetology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

A study of the taxonomy, morphology and natural history of reptiles and amphibians. Emphasis is placed on those species occurring in the central United States. Two lectures and four hours of laboratory per week.

Prerequisites

BIO 221 and 330

DEPARTMENT:

Biological Sciences

BIO673 - Ornithology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Study of avian biology with emphasis on anatomy, physiology and classification of birds. Three lectures and two laboratory hours per week. Requires weekend field trip.

Prerequisites

BIO 221 and 330

DEPARTMENT:

Biological Sciences

BIO674 - Mammalogy
CREDITS:

4

COURSE LEVEL:

Graduate

Description

A study of the classification and biology of mammals. Identification and collection of mammals, particularly those of the central United States, will be emphasized in laboratory. Two lectures and four hours of laboratory per week. Some weekend and Saturday field trips required.

Prerequisites

BIO 221 and 330

DEPARTMENT:

Biological Sciences

BIO678 - Conservation Biology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

An advanced study of the conservation of life at numerous levels of organization. Emphasis will be placed on modern empirical and theoretical studies of the maintenance, loss, and restoration of biological diversity, endangered species, and habitats. Three one-hour lectures and three hours of laboratory per week.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO680 - Principles of Wildlife Management
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Application of ecological principles of management of wild animals, wildlife agencies and their function in wildlife management; economic, social, biological and other values of wildlife. Three lectures and two hours of laboratory per week. Requires Saturday field trips.

Prerequisites

BIO 380

DEPARTMENT:

Biological Sciences

BIO681 - Applied Natural Resources Economics, Policy, and Administration
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course concentrates on the application of microeconomic theory to natural resources policy, administration, and decision making in areas such as endangered species management, wildlife damage management, non-game management, and game management. This course will also discuss how the public uses economics to make personal decisions about natural resources.

Prerequisites

ECO 231

DEPARTMENT:

Biological Sciences

BIO682 - Waterfowl Management
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Ecological principles and techniques involved in management of waterfowl with emphasis on habitat and hunter manipulation. Readings in current research. Includes all-day Saturday field trips to refuges. Three lectures and two hours of laboratory per week.

Prerequisites

BIO 580

DEPARTMENT:

Biological Sciences

BIO683 - Fisheries Management
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Ecology and management of freshwater fishes. Methods of fishery investigation will be emphasized. Three lectures and four hours of laboratory per week.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO684 - Wildlife Policy and Administration
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Emphasis is placed on the management of natural resources with particular focus on fish and wildlife. Topics will include an overview of natural resources agency structures and functions, the planning and management cycles, and ethical public relations techniques for multiple-use management in the public domain.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO686 - Limnology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

A study of the interrelationships of the physical, chemical and biological features of lakes and streams.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO687 - Freshwater Biology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Study of the aquatic organisms, their biology, distributions, and ecology in natural aquatic communities and habitats in Kentucky Lake, streams, springs, and wetlands near the Hancock Biological Station. Aquatic organisms to be surveyed include bacteria, algae, aquatic plants, invertebrates, and vertebrate animals. Includes two lectures and four hours of laboratory per week.

Prerequisites

BIO 330

DEPARTMENT:

Biological Sciences

BIO688 - Reservoir Ecology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

An examination of the variation in chemical and biological phenomena that characterize river impoundments. Literature reading and discussion is followed by 1) learning techniques of observation to identify pattern and process in nature, and 2) designing and conducting field experiments to assess cause and effect relationships.

DEPARTMENT:

Biological Sciences

BIO689 - Introduction to Graduate Study
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Topics include the library, literature search, the research plan, choosing a research topic, scientific graphics and photography, scientific writing, scientific presentation seminars. The course is usually team-taught and offered in the evening.

Prerequisites

Admission to the graduate program

DEPARTMENT:

Biological Sciences

BIO690 - Disturbance Ecology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Relationships among organisms and with their environment are often heavily influenced by ecological disturbances that damage and kill individuals and thereby alter dynamics of entire ecosystems. This class will examine a wide range of ecological disturbances in terms of 1) the physical phenomena, 2) the effects of those phenomena on organisms, and 3) the response of organisms in terms of population-, community-, watershed- and ecosystem-dynamics. The course will examine the following disturbances in ecological terms within the context of global environmental change: fires, hurricanes, tornados, ice storms, floods, droughts, habitat fragmentation, invasive species, and others of the students' own choosing. Note: Prior coursework in ecology is strongly recommended.

Prerequisites

BIO 330 or equivalent

DEPARTMENT:

Biological Sciences

BIO691 - Topics in Biology I
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Students explore topics within the biological sciences under the direction of individual faculty. These individually arranged learning experiences may include various combinations of library assignments, conferences, laboratory and field investigation. Written descriptions of the course of study must be approved by the student's advisor and be filed with the chair within two weeks of the beginning of a term. This course sequence may contribute no more than eight credit hours toward the graduate degree requirements.

DEPARTMENT:

Biological Sciences

BIO692 - Topics in Biology II
CREDITS:

2

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Biological Sciences

BIO693 - Topics in Biology III
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Biological Sciences

BIO694 - Topics in Biology IV
CREDITS:

4

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Biological Sciences

BIO695 - Biological Research
CREDITS:

4

COURSE LEVEL:

Graduate

Description

This course provides research experiences for students pursuing the non-thesis option. The course entails selection of a research problem, collection and interpretation of data, and submission of results in a research paper.

Prerequisites

Graduate standing and approval of graduate committee

DEPARTMENT:

Biological Sciences

BIO696 - Understanding Scientific Communication
CREDITS:

2

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

EES696 - Understanding Scientific Communication

Description

The course concentrates on the methods for preparation and presentation of scientific papers and oral communications. Students will utilize a data set to produce 1) a publication-quality manuscript and 2) a 15-minute presentation such as would be given at a scientific meeting. Topics covered include abstracts, nature of scientific writing, structure and organization of scientific publication, use of literature, graphics and graphic design, and methods of polishing the oral presentation. The course is required of all biological sciences graduate students in their first spring semester of residence and is open to all other graduate students with consent of instructor. One two-hour course meeting per week. (Same as EES 696.)

DEPARTMENT:

Biological Sciences

BIO697 - Seminar
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Graduate students anticipating completion of the thesis or BIO 695 must register for this course and defend their research before the department faculty and their fellow graduate students.

DEPARTMENT:

Biological Sciences

BIO698 - Thesis I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Biological Sciences

BIO699 - Thesis II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Biological Sciences

BIS: Bachelor of Integrated Studies

BIS301 - Integrated Studies Research I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will provide students with tools and skills required to understand research terminology and assess valid research. Emphasis will be placed on understanding various research methods, evaluating credible sources, and proper APA format.

DEPARTMENT:

Center for Adult and Regional Education (CARE)

BIS302 - Integrated Studies Research II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course guides the student through the steps leading to a formal proposal for the B.I.S. field of study project, including annotated bibliography, internet research techniques, review of literature, and the formal written project proposal.

DEPARTMENT:

Center for Adult and Regional Education (CARE)

BIS399 - Seminar in Integrated Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Seminar for students in the Bachelor of Independent Studies (BIS) program. Investigation and discussion of current issues in adult and distance learning. Topics include curriculum information in BIS program, distance learning technologies, problems experienced by and subjects of interest to adult students. A minimum grade of C is required in this course to continue in the BIS program.

Prerequisites

Junior standing, acceptance into BIS program, and consent of BIS advisor or instructor

DEPARTMENT:

Center for Adult and Regional Education (CARE)

BIS437 - Senior Project
CREDITS:

6

COURSE LEVEL:

Undergraduate

Description

The course, usually taken after the completion of the 18-hour field of study coursework, guides the student through the completion of the field of study senior project, which is a baccalaureate senior thesis required for completion of the Bachelor of Integrated Studies degree. A student must earn a minimum grade of C in this course to receive a Bachelor of Integrated Studies.

Prerequisites

Admission to B.I.S. program, senior standing, BIS 301 and 302 (or completion of two approved courses in the field of study research preparation), and a grade of C or better in ENG 105

DEPARTMENT:

Center for Adult and Regional Education (CARE)

BUS: Business

BUS100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transitions to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Management, Marketing and Business Administration

BUS101 - Introduction to Business Studies
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist business students in their transition to Murray State University. It is intended for students not taking classes on the Murray State campus and who are registered in a dual degree program with an international university. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Graded pass/fail.

DEPARTMENT:

Management, Marketing and Business Administration

BUS140 - Foundations of Business
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the various functions of business such as finance, management, marketing, personnel, etc. Open only to students who have not completed a business course above the 200 level.

DEPARTMENT:

Management, Marketing and Business Administration

BUS200 - Collegiate Leadership and Service
CREDITS:

1 - 2

COURSE LEVEL:

Undergraduate

Description

Course introduces students to basic leadership concepts and practices in business and public affairs. Student skills in the area of leadership will be enhanced through the use of class presentations, discussion, freshman orientation responsibilities, and participation in collegiate and university activities. This course may be repeated for a total of three hours. A maximum of six hours credit may be earned or scheduled from any combination of GUI 251, 252, and 450 and BUS 200.

DEPARTMENT:

Management, Marketing and Business Administration

BUS215 - Business Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to acquaint the student with the principles of business communication and give him/her practice in solving business problems through the use of written communications, research and report writing, and oral communications.

Prerequisites

a minimum grade of C in ENG 105, or ENG 101 and 102, or ENG 150, or the equivalent

DEPARTMENT:

Management, Marketing and Business Administration

BUS296 - Topics in International Business
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to give participants exposure to cultures and business practices outside the United States. The course is offered in conjunction with a study abroad program and includes travel, study, visits to corporate and governmental offices, and experiential assignments in various countries. At the instructor's discretion, the course may focus on a specific topic or theme.

DEPARTMENT:

Management, Marketing and Business Administration

BUS396 - International Business Seminar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Only those students who are enrolled in the International Business Seminar study abroad program are permitted to enroll in this course. Designed to give participants firsthand exposure to cultures and business practices outside the United States. The seminar includes travel, study, visits to corporate and governmental offices, and other experiential assignments in various countries. At the instructor's discretion, the seminar may focus on a specific topic or theme. May be repeated once with advisor's approval.

DEPARTMENT:

Management, Marketing and Business Administration

BUS485 - Geospatial Tools in Business
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The continuing development of Geographic Information Systems (GIS) technologies and the rapid migration of these technologies to Web-based platforms across enterprises have created powerful geospatial tools for analysis, communication, and promotion. In this course, students expand their knowledge of these technologies and develop skills in applying them to these core business functions. Traditional learning activities are augmented with projects in which students learn how to use geospatial tools in analysis, communication, and promotion and how to share these tools and resources throughout organizations.

Prerequisites

BUS 140 or MKT 360 or MGT 350

DEPARTMENT:

Management, Marketing and Business Administration

BUS488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

DEPARTMENT:

Management, Marketing and Business Administration

BUS499 - Senior Seminar in Business
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Seminar for students of business administration programs with a primary focus on preparation of seniors for a variety of employment environments and professional development. Recommended for students enrolled in their next to last undergraduate semester, but with approval could be taken in last undergraduate semester.

Prerequisites

Senior standing

DEPARTMENT:

Management, Marketing and Business Administration

BUS515 - Communicating in an International Business Environment
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to acquaint students with the challenges of international business communication, provide guidelines for successful cross-cultural business communication, and give practice in solving international business problems through the use of the guidelines.

DEPARTMENT:

Management, Marketing and Business Administration

BUS595 - Special Problems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

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DEPARTMENT:

Management, Marketing and Business Administration

BUS605 - Research Methods in Business
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Will introduce students to research methods used in business. The class will examine research projects which involve a variety of data collection and analysis methods. Topics include research proposals, research design, survey writing, sources and collection of data, data analysis, and presentation of research results. The class will develop students' oral and written communication skills.

DEPARTMENT:

Management, Marketing and Business Administration

BUS615 - Communicating in an International Business Environment
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to acquaint students with the challenges of international business communication, provide guidelines for successful cross-cultural business communication, and give practice in solving international business problems through the use of the guidelines.

DEPARTMENT:

Management, Marketing and Business Administration

BUS684 - Seminar in Geospatial Tools in Business
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The continuing development of Geographic Information System (GIS) technologies and the rapid migration of these technologies to Web-based platforms across enterprises have created powerful geospatial tools for analysis, communication, and promotion. In this course, students expand their knowledge of these technologies and develop skills in applying them to these core business functions. Traditional learning activities are augmented with projects in which students learn how to use geospatial tools in analysis, communication, and promotion and how to share these tools and resources throughout organizations. Students will also design, conduct, and manage a customized geospatial research project for an external organization.

Prerequisites

MKT 360

DEPARTMENT:

Management, Marketing and Business Administration

BUS695 - Special Problems
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Course may be repeated for a maximum of three credit hours.

DEPARTMENT:

Management, Marketing and Business Administration

BUS696 - International Business Seminar
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Only those students who are enrolled in the International Business Seminar study abroad program are permitted to enroll in this course. Designed to give participants firsthand exposure to cultures and business practices outside the United States. The seminar includes travel, study, visits to corporate and governmental offices, and other experiential assignments in various countries. At the instructor's discretion, the seminar may focus on a specific topic or theme. This course includes an individual research project approved by the instructor.

DEPARTMENT:

Management, Marketing and Business Administration

CDI: Communication Disorders

CDI100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Center for Communication Disorders

CDI205 - Introduction to Communication Disorders
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the areas of speech-language pathology and audiology. An integral part of the course is observation of therapy with speech, language, and hearing disorders.

DEPARTMENT:

Center for Communication Disorders

CDI275 - Foundations for Communication Disorders Professionals
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course focused on developing accurate clinical observation skills and professional written and oral communication suited to educational and healthcare settings. May include field experience or observations outside of class time.

Prerequisites

ENG 105 with a minimum grade of B

DEPARTMENT:

Center for Communication Disorders

CDI292 - Communication Disorders for Educators
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of typical speech and language development/acquisition in children. Pediatric disorders of speech and language are also introduced. The course is specifically designed for the special educator and classroom teacher and focuses on the impacts of communication disorders across educational settings as well as the roles and responsibilities of professionals within those settings.

DEPARTMENT:

Center for Communication Disorders

CDI301 - Exploration of Culture and Communication Disorders through International Travel
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

An education abroad experience highlighting the culture and topics related to speech-language pathology in another country. Students must qualify for participation in a Murray State University approved international travel experience. The course may be taken more than once if travel is to different countries. Repeatable up to six hours.

Prerequisites

Cumulative GPA of 3.0 and consent of instructor

DEPARTMENT:

Center for Communication Disorders

CDI310 - Anatomy and Physiology of the Speech Mechanism
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The study of anatomy and physiology of the speech mechanisms; respiration, phonation, resonation, articulation, and basic neurological concepts underlying the communication process.

Prerequisites

3.0 overall GPA; BIO 101 with lab, and CDI 275 with a grade of B or better

DEPARTMENT:

Center for Communication Disorders

CDI315 - Speech and Acoustics of Speech
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course explores the acoustic characteristics of speech sounds, the processes involved in the production of those characteristics, the importance of those characteristics in the perception of verbal communication, and instrumentation used for measurement.

Prerequisites

3.0 overall GPA; CDI 275, 310, and 350 with a minimum grade of B

DEPARTMENT:

Center for Communication Disorders

CDI325 - Pediatric Speech Disorders I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed to provide fundamental knowledge of the nature of speech disorders in children, including etiologies and characteristics as well as anatomical/physiological, linguistic and developmental correlates.

Prerequisites

CDI 215, 310, 340 and admission to CDI program

DEPARTMENT:

Center for Communication Disorders

CDI340 - Speech and Language Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This study of language development includes the components of the language system (phonology, semantics, syntax, and pragmatics), fundamental stages of development, the biological bases of language, and compares theories that attempt to account for speech and language development.

DEPARTMENT:

Center for Communication Disorders

CDI345 - Pediatric Language Disorders I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed to provide fundamental knowledge of the nature of language disorders in children, including etiologies and characteristics as well as psychological, linguistic, developmental and cultural correlates.

Prerequisites

CDI 340 and admission to CDI program

DEPARTMENT:

Center for Communication Disorders

CDI350 - Clinical Phonetics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The study of the speech sounds used in the production of American English. Students must master fluent sound-to-symbol decoding and transcribing using the International Phonetic Alphabet. Anatomy and physiology of the speech mechanism is introduced for the purpose of describing speech sound production. Transcription of disordered and dialectal differences in speech is introduced.

Prerequisites

3.0 overall GPA; CDI 275 with a minimum grade of B

DEPARTMENT:

Center for Communication Disorders

CDI405 - Hearing and Its Assessment
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the anatomy and physiology of the hearing mechanism, auditory pathologies, hearing loss, and its assessment. Clinical practice required.

Prerequisites

CDI 275 with a grade of B or better, CDI 315, and a cumulative 3.0 GPA

DEPARTMENT:

Center for Communication Disorders

CDI410 - Neuroscience for Communication Disorders
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Addresses the basic structure and function of the brain with a special focus on the neuroscience of communication. Relationships between different lesion sites in the brain and the communication and swallowing disorders that they produce will be introduced.

Prerequisites

cumulative GPA of 3.0 and admission to the Communication Disorders program

DEPARTMENT:

Center for Communication Disorders

CDI425 - Pediatric Speech Disorders
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of pediatric speech disorders as they contrast with typical speech development. Observations outside of class time, as well as oral and written communication are emphasized as students learn characteristics and etiologies.

Prerequisites

Admission to the CDI undergraduate program; CDI 340 and 350; ENG 228; and a minimum of 3.0 cumulative GPA

DEPARTMENT:

Center for Communication Disorders

CDI440 - Adult Neurogenic Communication Disorders
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of adult neurological speech, language, cognition, and swallowing disorders and their characteristics. The basic principles and practices of assessment and evidence-based interventions are introduced.

Prerequisites

CDI 275 with a minimum grade of B, CDI 410, and a cumulative 3.0 GPA.

DEPARTMENT:

Center for Communication Disorders

CDI445 - Pediatric Language Disorders
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of pediatric speech disorders as they contrast with typical speech development. Observations outside of class time, as well as oral and written communication are emphasized as students learn characteristics and etiologies.

Prerequisites

admission to the CDI undergraduate program; CDI 340 and ENG 310

DEPARTMENT:

Center for Communication Disorders

CDI451 - Introduction to Aural Rehabilitation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the perceptual, psychological, and educational implications of hearing loss and current methods available to address the needs of this population.

Prerequisites

Admission to the undergraduate communication disorders program; CDI 315 and 405

DEPARTMENT:

Center for Communication Disorders

CDI452 - Signing Exact English I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course serves as an introduction to Signing Exact English, a form of manual communication used primarily by children. The course includes study of manual communication and development of basic skills in finger spelling and signing.

DEPARTMENT:

Center for Communication Disorders

CDI470 - Pediatric Speech Disorders II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course dealing with assessment and treatment techniques appropriate to speech sound disorders. This is an applied course and consists of reading, discussion, and guided practice as well as limited lecture. Some activities will take place in the clinic.

Prerequisites

CDI 325

Corequisites

CDI 474

DEPARTMENT:

Center for Communication Disorders

CDI472 - Pediatric Language Disorder II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course dealing with assessment and treatment techniques appropriate to child language disorders. This is an applied course and consists of reading, discussion, and guided practice as well as limited lecture. Some activities will take place in the clinic.

Prerequisites

CDI 345

Corequisites

CDI 474

DEPARTMENT:

Center for Communication Disorders

CDI474 - Elementary Clinical Skills
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Observation, shadowing of graduate clinicians, or individual clinical assignment in communication disorders. May be repeated up to four hours.

Corequisites

CDI 470 or CDI 472

DEPARTMENT:

Center for Communication Disorders

CDI475 - Clinical Applications in Speech Disorders
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This writing-intensive course is focused on integrating students' professional skills with their developing clinical skills specific to the area of speech disorders. Students who have not completed 25 hours of observation must do so prior to completing required clinical experiences. Observations and clinical experiences may take place outside of class time. Two hours lecture with one hour lab. Course may not be audited.

Prerequisites

Admission to CDI undergraduate program; CDI 425 with a minimum grade of B; minimum of 3.0 cumulative GPA; completion of 25 hours of observation

DEPARTMENT:

Center for Communication Disorders

CDI476 - Clinical Applications in Language Disorders
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is focused on integrating students' professional skills with their developing clinical skills, specific to the area of language disorders. Students who have not completed 25 hours of observation must do so prior to completing required clinical experiences. Observations and clinical experiences may take place outside of class time.

Prerequisites

Admission to the CDI undergraduate program; CDI 445 with a minimum grade of B; 25 completed hours of observation; and a minimum 3.0 cumulative GPA

DEPARTMENT:

Center for Communication Disorders

CDI480 - School Services for Communication Disorders
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is an in-depth study of roles and responsibilities of the speech-language pathologist and speech-language pathology assistant practicing in the schools.

Prerequisites

Admission to Communication Disorders program

DEPARTMENT:

Center for Communication Disorders

CDI482 - Augmentative-Alternative Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of communication modalities available to meet the communication needs of persons across the life-span with severe communication disorders. The course will emphasize augmentative and alternative communication strategies, techniques, technologies, and characteristics of communication partners based on research and theory.

Prerequisites

CDI 340 and 345

DEPARTMENT:

Center for Communication Disorders

CDI498 - Directed Study
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Available for students who want to investigate special problems. Can be repeated up to six credit hours.

Prerequisites

Senior standing and consent of instructor directing the study

DEPARTMENT:

Center for Communication Disorders

CDI611 - Seminar on Current Trends and Issues
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Extensive review and discussion of current issues and trends in the profession. Topics will include state-of-the-art research, technology, healthcare, education, etc., to be determines by shared professional concerns of instructor and students. May be repeated up to eight credit hours.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI615 - Instrumental Methods for SLPs
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An investigation of technologies and methodologies for assessing and documenting human communication processes. Demonstration and training are provided for evidence-based practice and research.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI620 - Speech Sound Disorders
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course focused on advanced assessment and intervention approaches supported by evidence-based practice for pediatric speech sound disorders. The course includes characterization, diagnosis and treatment of phonological disorders, articulation, childhood apraxia of speech, and multicultural considerations.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI621 - School-Based Clinical Externship in Speech-Language Pathology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Supervised clinical practice in speech-language pathology within an offsite school based setting which may include public schools, private schools, or specialty schools. Assessment and treatment population will be mainly pediatric.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI624 - Assessment and Treatment of Voice
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course focused on assessment and management of pediatric and adult voice and resonance disorders, including those from functional and organic etiologies. This course includes special topics related to laryngectomy, tracheostomy, and transgender populations.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI625 - Fluency Disorders
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course presents the theory, diagnosis and treatment of fluency disorders in children, adolescents, and adults. The course includes the characterization, diagnosis, and treatment of fluency disorders of children and adults.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI632 - Acquired Speech and Language Disorders
CREDITS:

4

COURSE LEVEL:

Graduate

Description

A course focused on advanced assessment and intervention approaches for acquired neurogenic speech and language disorders. The neurological underpinnings of the disorders, knowledge and skills in prevention, evaluation, and treatment of apraxia, dysarthria, and aphasia will be emphasized.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI635 - Graduate Seminar in Communication Disorders
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Topical seminar in speech and hearing. May be repeated to a maximum of six hours.

DEPARTMENT:

Center for Communication Disorders

CDI636 - Cognitive-Linguistic Disorders
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to study the nature, etiology, and clinical management of neural-based cognitive-linguistic disorders including, but not limited to, right hemisphere disorders, traumatic brain injury, and dementia. Prevention, identification, assessment, differential diagnosis, intervention, and classification of cognitive-linguistic disorders will be emphasized.

DEPARTMENT:

Center for Communication Disorders

CDI640 - Individualized School Placement
CREDITS:

4 - 6

COURSE LEVEL:

Graduate

Description

Provides opportunities for students to participate in all activities and duties generally expected of a speech-language pathologist in the public schools. Specific supervision will be provided. This course is designed for students with at least one year of teaching experience and seeking a new certificate (students with less than one year of experience must take CDI 621). Course activities include planning, preparation and therapy under on-site supervision.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI641 - Pediatric Clinical Externship in Speech-Language Pathology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Supervised clinical practice within settings external to campus. Settings may include but are not limited to hospitals, rehabilitation centers, early intervention programs, specialty clinics, and private practices. Assessment and treatment population will be pediatric. May be repeated to a maximum of eight hours.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI646 - Designing and Applying Research in Speech-Language Pathology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course focused on evaluating research, research designs, and applying research to assessment and interventions across topics in speech language pathology. Emphasis will be placed on interpreting statistics, determining appropriate methods of data collection, synthesizing current literature as it relates to a research topic, and valuating the importance of research in the field of speech language pathology.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI647 - Assessment and Intervention in Early Childhood
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course focused on assessment and intervention approaches for early communication development. Special topics include management of special populations (syndromes and developmental disorders), foundational literacy skills, and hearing disorders.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI648 - Pediatric Language and Literacy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course focused on advanced assessment and intervention approaches supported by evidence-based practice for pediatric language and literacy disorders (ages 5-21). The course includes characterization, diagnosis, and treatment of language impairments due to, but not limited to, autism spectrum disorder, dyslexia, hearing loss, and children with complex needs. Special topics related to academic learning plans, accommodations, and multicultural considerations are also a focus.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI651 - Neuromuscular Disorders
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The study of pathology, etiology, diagnosis and speech rehabilitation of cerebral palsy and other neuromuscular disorders.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI652 - AAC and Technology for Communication
CREDITS:

2

COURSE LEVEL:

Graduate

Description

A course focused on assessment and intervention with special populations requiring alternative and augmentative communication (AAC) systems or technology for increased communication success. Special topics include the role of the SLP, interprofessional practice and collaboration, rationale for high or low tech devices, and systems for individuals with hearing loss.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI656 - Advanced Audiology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth study of audiology and hearing science as they relate to speech communication. Emphasis will be on clinical theory and application for special problems in audiology.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI660 - Motor Speech Disorders
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of dysarthria and apraxia of speech with emphasis on differential diagnosis and current clinical theory and application. The course will also include assessment and treatment of swallowing disorders.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI664 - Introduction to Clinical Practicum
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Supervised and directed clinical practice in communication disorders. Emphasis is on developing initial skills in clinical procedures, case management, and self-evaluation.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI665 - Neuroanatomy for Allied Health
CREDITS:

2

COURSE LEVEL:

Graduate

Description

A study of the organization of tissues and gross structural elements of the human nervous system and current knowledge of the physiology of neural transmission. The course will cover the neural substrates for cognition, communication and movement and will explore clinically relevant pathology related to function. The course will include specific study of the mechanisms of injury to the brain associated with acquired neurological disorders.

Prerequisites

Acceptance into the program for a Interdisciplinary Brain Injury Studies Graduate Certificate

DEPARTMENT:

Center for Communication Disorders

CDI670 - Practicum Seminar
CREDITS:

1

COURSE LEVEL:

Graduate

Description

This seminar is a companion course to the graduate clinical practicum experiences in speech-language pathology. It explores topics including assessment, diagnosis, and treatment of individuals with communication disorders. This course also serves as a form for introduction and discussion of current professional issues that impact the field of speech-language pathology. Graded pass/fail.

Prerequisites

Admission to speech-language pathology

Corequisites

CDI 674

DEPARTMENT:

Center for Communication Disorders

CDI672 - Diagnostic Methods
CREDITS:

3

COURSE LEVEL:

Graduate

Description

In-depth study and practical use of contemporary tests used by the speech-language pathologist. Includes formal and informal evaluation procedures.

Prerequisites

Admission to speech-language pathology

Corequisites

CDI 670

DEPARTMENT:

Center for Communication Disorders

CDI674 - Clinical Practicum
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Supervised clinical practicum that provides varied experiences with evaluation and treatment of clients presenting communication disorders. May be repeated up to eight hours.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI675 - Advanced Clinical Practicum
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Supervised clinical practice in communication disorders. Course activities include supervised planning, preparation and therapy. May be repeated for up to six hours of credit.

Prerequisites

Completion of CDI 670 and CDI 674

DEPARTMENT:

Center for Communication Disorders

CDI676 - Medical/Clinical Externship in Speech-Language Pathology I
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Supervised clinical practice within medical and health care settings external to campus. Settings may include, but are not limited to hospitals, rehabilitation centers, skilled nursing faculties, home health, specialty clinics and private practices. Assessment and treatment population will be primarily adults. May be repeated up to a maximum of eight hours.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI677 - Clinical Pathologies
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will include a review of the various pathologies that the master's level clinician will encounter. Also included will be an overview of relevant educational and medical issues pertinent to the speech pathologists.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI680 - Adult Neurogenic Communication Disorders
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth study of the characteristics of aphasia, right hemisphere disorders, and dementia. The cognitive, linguistic, and communicative aspects of each disorder will be explored as the foundation for differential diagnosis and clinical intervention.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI684 - Craniofacial Anomalies
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of etiology, assessment and treatment of the oral cleft and other oro-facial anomalies. Includes a survey of the roles of various specialists represented on the oral cleft team.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI685 - Communication Disorders of Aging
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will include information relative to the effect of communication disorders on the aging population and to acquaint the student with intervention techniques appropriate for the communicatively handicapped older person.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI686 - Adult and Pediatric Dysphagia
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of normal and disordered swallowing processes. The course includes a review of the anatomy and physiology of the swallowing mechanism and the etiology of acquired swallowing disorders and developmental feeding/swallowing disorders. Special emphasis is placed on current evidenced-based practice in assessment and intervention, differences between pediatric and adult populations, and the use of technology and instrumentation in differential diagnosis.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI688 - Medical/Clinical Externship in Speech-Language Pathology II
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Supervised clinical practice within medical and health care settings external to campus. Settings may include, but are not limited to, hospitals, rehabilitation centers, skilled nursing facilities, home health, specialty clinics and private practices. Assessment and treatment population will be primarily adults. May be repeated to a maximum of eight hours.

Prerequisites

CDI 676 with a minimum grade of B

DEPARTMENT:

Center for Communication Disorders

CDI690 - Interdisciplinary Leadership Project
CREDITS:

2

COURSE LEVEL:

Graduate

Description

This course provides advanced professional development integrating the cumulative knowledge and skills obtained over the duration of the Interdisciplinary Brain Injury Studies Graduate Certificate. The course primarily focuses on an individually designed leadership project that addresses the needs of persons with acquired injury and their families. May be repeated for up to four credits.

Prerequisites

CDI 665

DEPARTMENT:

Center for Communication Disorders

CDI695 - Independent Study
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Available for selected students who desire to investigate a special area or problem. A final written paper will be submitted to the instructor. May be repeated up to six credit hours.

Prerequisites

Admission to speech-language pathology

DEPARTMENT:

Center for Communication Disorders

CDI696 - Professional Issues
CREDITS:

2

COURSE LEVEL:

Graduate

Description

A course focused on professional growth and competence in the skills necessary for success in profession. Ethics and current local, regional and national issues that impact service delivery will be addressed. Requirements for state licensure and national certification will also be included.

Prerequisites

Documentation of the acquisition of basic knowledge and skills as outlined in the standards for the Certificate of Clinical Competence

DEPARTMENT:

Center for Communication Disorders

CDI698 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Center for Communication Disorders

CDI699 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

.

DEPARTMENT:

Center for Communication Disorders

CET: Civil/Construction Engineering Technology

CET210 - Construction Documents
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will explore the function and application of working drawings, specifications, and the various documents required to carry out a typical design and construction project. Students will apply and interpret industry standards as they apply to construction documents.

Prerequisites

IOE 125

DEPARTMENT:

Institute of Engineering

CET686 - Environmental Assessment and Remediation
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Legislation, field investigations, risk assessments, feasibility studies, and overall administrative and technical approaches related to environmental site assessments and remediation.

DEPARTMENT:

Institute of Engineering

CET688 - Waste Minimization and Pollution Prevention
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Organization and management of industrial pollution prevention programs. Emphasis is placed upon advanced and innovative pollution prevention and treatment technologies which may be waste and/or industry specific.

Prerequisites

Permission of instructor

DEPARTMENT:

Institute of Engineering

CHE: Chemistry

CHE100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course assigned to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Chemistry

CHE101 - Consumer Chemistry
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A brief course in chemistry for those who plan to take no more chemistry. Designed specifically to satisfy the University Studies physical science requirement. Explores social and cultural issues associated with science and technology to provide knowledge of resource conversion in a world dominated by an information explosion. Considers the impact of chemistry and technology on history, art, and business. Three lectures and two hours of laboratory per week. Not applicable to major or minor.

DEPARTMENT:

Chemistry

CHE105 - Introductory Chemistry
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A beginning course in general chemistry designed for students who plan to take additional chemistry courses. Three lectures and two hours of laboratory per week. Not applicable to major or minor.

Prerequisites

Math ACT score of at least 20 or MAT 110 with a minimum grade of C

DEPARTMENT:

Chemistry

CHE111 - Essentials of Chemistry and Biochemistry

CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

A course that covers the essentials of general chemistry, organic chemistry and biochemistry with an emphasis on health-related topics. Three hours of lecture, two hours of recitation, and two hours of laboratory work per week. Not applicable to major or minor. Students may not receive credit for both CHE 105 and CHE 111 or CHE 111 and 210.

Prerequisites

MAT 140 and one of the following: EXS 100T, HEA 100T, NUR 100T

DEPARTMENT:

Chemistry

CHE120 - Chemical Laboratory Safety

CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A general course in laboratory safety. It is recommended for all students seeking chemistry degrees and students in other fields involving extensive laboratory work. This course does not count for university studies credit.

Corequisites

CHE 201

DEPARTMENT:

Chemistry

CHE201 - General College Chemistry
CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

A thorough course in inorganic chemistry emphasizing atomic structure, stoichiometry, thermochemistry, the gaseous state of matter, periodic classification, nuclear chemistry, and chemical bonding. Three lectures, two hours of laboratory, and two hours of recitation per week.

Prerequisites

Math ACT score of 24, or MAT 150 with a grade of C or better, or both MAT 140 and 145 with a grade of C or better in each

Corequisites

CHE 120

DEPARTMENT:

Chemistry

CHE202 - General Chemistry and Qualitative Analysis
CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

A continuation of CHE 201 emphasizing thermochemistry, solution chemistry, oxidation-reduction reactions, chemical kinetics, chemical equilibrium, acid-base chemistry, thermodynamics, electrochemistry, and other selected topics. Three lectures, two hours of laboratory, and two hours of recitation per week.

Prerequisites

CHE 201

DEPARTMENT:

Chemistry

CHE210 - Brief Organic Chemistry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An elementary course in organic chemistry for non-majors emphasizing the nomenclature, properties and reactions of important classes of organic compounds. Three lectures per week. Not applicable to major or minor.

Prerequisites

CHE 105 or 202

DEPARTMENT:

Chemistry

CHE215 - Brief Organic Chemistry Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Two hours of laboratory per week to accompany CHE 210 which is a co- or prerequisite. Not applicable to major or minor.

Prerequisites

CHE 210

DEPARTMENT:

Chemistry

CHE305 - Analytical Chemistry
CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

Fundamental principles and techniques of volumetric and gravimetric analysis. Two lectures and two three-hour laboratory periods per week.

Prerequisites

CHE 202

DEPARTMENT:

Chemistry

CHE310 - Organic Chemistry I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to organic chemistry, including structure, properties, methods of preparation, and selected reactions of aliphatic hydrocarbons, alkyl halides, alkenes and alkynes. Stereochemistry and basic reaction mechanisms are also included as well as the theory behind and practice of identifying organic compounds.

Prerequisites

CHE 202 or equivalent course.

Corequisites

CHE 311

DEPARTMENT:

Chemistry

CHE311 - Organice Chemistry I Laboratory
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

An introduction to the theory and practice of organic chemical laboratory procedures and manipulations which include the preparation, separation, purification and identification of typical compounds that provides hands-on experience. The application of modern instrumental techniques (GC, IR, NMR, GC/MS) used in the identification of organic species is also taught. Stereochemistry and determination of chirality will also be discussed. Four hours of laboratory per week.

Prerequisites

CHE 202 or equivalent course

Corequisites

CHE 310

DEPARTMENT:

Chemistry

CHE320 - Organic Chemistry II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of CHE 310 & 311 including similar studies of aromatic hydrocarbons and other fundamental classes of organic compounds. Three lectures per week.

Prerequisites

CHE 310 with a minimum grade of C

DEPARTMENT:

Chemistry

CHE325 - Organic Chemistry II Laboratory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of CHE 310 and 311 involving more complicated syntheses and compound identification. One hour of pre-lab lecture and four hours of laboratory per week.

Prerequisites

CHE 320

DEPARTMENT:

Chemistry

CHE329 - Molecular Visualization in Chemistry
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Survey of the techniques and methods used to visualize biological and organic molecules. One hour of lecture per week.

Corequisites

CHE 330, 530 or 540

DEPARTMENT:

Chemistry

CHE330 - Basic Biochemistry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A basic course surveying the chemistry and metabolism of carbohydrates, proteins, lipids and nucleic acids, and the action of vitamins, hormones and enzymes. Three lectures per week. Credit for either CHE 330 or CHE 530, but not both, can count toward a major or minor in chemistry. (Spring only.)

Prerequisites

CHE 210 or 310

Corequisites

CHE 329

DEPARTMENT:

Chemistry

CHE352 - Basic Chemical Instrumentation
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An introduction to chemical instrumentation and instrumental methods of analysis, including chromatographic, optical, and electrometric techniques. Three lectures and one three-hour laboratory period per week. (Fall only.)

Prerequisites

CHE 305

DEPARTMENT:

Chemistry

CHE388 - International Experience in Chemistry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A short-term (10-14 days of travel) study abroad experience highlighting selected historical and modern contributions to chemistry from another country and culture. The course includes pre- and post-travel meetings, lectures, readings, and discussions. This course may be repeated for up to nine hours of credit.These hours will not count toward either the major or minor. Letter-graded course.

Prerequisites

CHE 105 or 201

DEPARTMENT:

Chemistry

CHE400 - Chemical Literature
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

An introduction to methods of locating and accessing chemical information, both in the library and through on-line searching of computerized chemical databases; instruction in the writing of technical papers and reports.

Prerequisites

CHE 320

DEPARTMENT:

Chemistry

CHE401 - Ethics for the Chemist
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

An ethics course designed primarily for chemistry majors that explores discusses and debates ethical issues faced by scientists.

DEPARTMENT:

Chemistry

CHE403 - Basic Physical Chemistry
CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

Broad coverage of physical chemistry with inclusion of biological applications. Topics include gas laws, kinetic theory, states of matter, thermodynamics, solutions, chemical kinetics, and quantum theory. Designed for students in biological, medical, veterinary, and allied health fields, and those who require one semester of physical chemistry. Four lectures and three hours laboratory per week. (Spring only.)

Prerequisites

CHE 305, MAT 250, PHY 132 and 133 or 255 and 256

DEPARTMENT:

Chemistry

CHE410 - Physical Chemistry I
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Theoretical chemistry with mathematical involvement. Topics included are gas laws, kinetic theory, laws of thermodynamics, and states of matter. Three lectures and three hours of laboratory per week. Should be taken in junior year. (Fall only.)

Prerequisites

CHE 305, PHY 255 and 256, or PHY 132 and 133, and MAT 309

DEPARTMENT:

Chemistry

CHE420 - Physical Chemistry II
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A continuation of CHE 410 including solution chemistry, electrochemistry, chemical kinetics, basic quantum chemistry, and basic statistical thermodynamics. Three lectures and three hours of laboratory per week. (Spring only.)

Prerequisites

CHE 410

DEPARTMENT:

Chemistry

CHE435 - Undergraduate Seminar
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

An undergraduate seminar program in which the student must attend all departmental chemistry seminars scheduled during the semester of enrollment. In addition, the student will present two short seminars in the departmental seminar program or at an approved professional meeting. Graded pass/fail. These hours will not count toward either the major or minor.

Prerequisites

CHE 305

DEPARTMENT:

Chemistry

CHE446 - Physical Chemistry for the Technical and Engineering Sciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course in physical chemistry for students in technical and engineering fields. Topics include kinetic theory, thermodynamics, phase diagrams, solution chemistry, electrochemistry, kinetics, quantum theory, and spectroscopy. Four hours of lecture and three hours of laboratory per week.

Prerequisites

CHE 305, MAT 309, PHY 255

DEPARTMENT:

Chemistry

CHE488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Chemistry

CHE489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

DEPARTMENT:

Chemistry

CHE495 - Senior Research
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Problems and hours arranged individually with staff members directing the research; minimum of nine hours per week. A valuable course for students entering the chemistry profession at the bachelor's degree level and for those who plan graduate study. A written report is required.

Prerequisites

Approval of research director and department chair

DEPARTMENT:

Chemistry

CHE504 - Fundamentals of Toxicology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course surveys the scope and fields of toxicology, including the methods and design of toxicity studies with attention to toxic chemicals, their effects and regulatory considerations.

Prerequisites

CHE 320

DEPARTMENT:

Chemistry

CHE509 - Advanced Inorganic Chemistry I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Practical aspects of wave mechanics and bonding theories for covalent and ionic compounds; considerations of symmetry; properties and theories associated with the solid state, acids, bases, and coordination compounds. Limited descriptive chemistry. PES, NMR, IR, and UV/VIS spectroscopy applications in modern inorganic chemistry. (Fall only.)

Prerequisites

CHE 420 or its equivalent at another four-year institution with a grade of C or better

DEPARTMENT:

Chemistry

CHE510 - Inorganic Chemistry Laboratory
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Syntheses, characterization and introduction of techniques of inorganic chemistry. Four hours of laboratory per week.

Prerequisites

CHE 509

DEPARTMENT:

Chemistry

CHE513 - Environmental Chemistry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Studies related to chemicals in the environment as to origin, identification, distribution, modification and effect on biological systems.

Prerequisites

CHE 320

DEPARTMENT:

Chemistry

CHE517 - Advanced Organic Chemistry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An intensive survey of modern organic chemistry with emphasis on theoretical concepts, reaction mechanisms and syntheses. Three lectures per week. (Spring only.)

Prerequisites

CHE 320 and 420

DEPARTMENT:

Chemistry

CHE519 - Instrumental Analysis
CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

Theory, calculations, and use of modern analytical techniques, such as visible, ultraviolet, infrared and Raman spectrometry, flame methods, gas chromatography, electrometric methods of analysis and magnetic resonance. Two lectures and six hours of laboratory per week. (Spring only.)

Prerequisites

CHE 420

DEPARTMENT:

Chemistry

CHE525 - Biochemical Toxicology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the basic biochemical aspects of toxicology including adverse chemico-biological interactions and chemical and biologic factors modulating these interactions, descriptions of effects of specific chemical classes, and biochemical mechanisms of toxic effects. Three lectures per week.

Prerequisites

CHE 504 and 330, 530

DEPARTMENT:

Chemistry

CHE530 - Fundamentals of Biochemistry I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of the chemical properties and biological functions of proteins, carbohydrates, and nucleic acids. Topics include: protein structure and function, enzyme kinetics and mechanisms, and elements of organismal metabolism, including a description of glycolysis and the citric acid cycle. Three lectures per week. Credit for either CHE 530 or 330, but not both, can count toward a major or minor in chemistry. (Fall only.)

Prerequisites

CHE 320

DEPARTMENT:

Chemistry

CHE537 - Experimental Biochemistry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

Description

This course will emphasize a mastery of modern biochemical laboratory techniques and the analysis of experimental data. One hour of lecture and four hours of laboratory per week.

Prerequisites

CHE 530

DEPARTMENT:

Chemistry

CHE540 - Fundamentals of Biochemistry II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continued study of the elements of metabolism, including their chemical reactions, energetics and regulation. Additional topics include hormones, biochemical function of various organs and replication, transcription and translation of genetic information. Three lectures per week. (Spring only.)

Prerequisites

CHE 530

DEPARTMENT:

Chemistry

CHE545 - Glassblowing
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Laboratory demonstrations and exercises. Mastery of the different types of seals used in construction of scientific glass apparatus. Three hours of laboratory per week. Course restricted to chemistry majors. Cannot be used as an elective for ACS-accredited area.

Prerequisites

Senior standing

DEPARTMENT:

Chemistry

CHE550 - Molecular Pharmacology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of the principles of pharmacology as related to disease, and the design, action and efficacy of drugs. A focus will be at the molecular, macromolecular, and tissue levels. This course is designed for pre-health students who plan to attend medical, dental, or pharmacy school, where pharmacology plays a major role in the curricula.

Prerequisites

CHE 540

DEPARTMENT:

Chemistry

CHE565 - Biogeochemistry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

BIO565 - Biogeochemistry
EES565 - Biogeochemistry

Description

Survey and discussion of the scientific literature on global cycles of carbon, nitrogen, phosphorus and man-made chemicals with special emphasis on the biogeochemical and ecological processes that affect terrestrial and aquatic ecosystems. The course will focus on interdisciplinary themes that incorporate new research results from the fields of biology, chemistry, and geosciences. (Same as BIO/EES 565.)

Prerequisites

Junior or higher standing in biology, chemistry or geosciences

DEPARTMENT:

Chemistry

CHE569 - Spectrometric Identification of Organic Compounds
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course dealing with the theory and applications of the following methods to the structural analysis of organic compounds: IR, NMR, UV-Vis, and MS. Three hours of lecture per week.

Prerequisites

CHE 320 and 519

DEPARTMENT:

Chemistry

CHE576 - Polymer Chemistry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The chemistry and physical properties of natural and synthetic polymers of practical importance, coupled with the instrumental and spectroscopic methods of their evaluation.

Prerequisites

CHE 320

DEPARTMENT:

Chemistry

CHE580 - Principles of Chemical Engineering for Chemists
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to introduce chemistry majors, particularly those interested in industrial careers, to common concepts and methods of chemical engineering. Specifically, the impact of mass, conservation of energy, and mass/energy transfer on the design of industrial chemical processes will be discussed. In addition, the roles of analytical chemistry, chemical separations, and catalysis in prices implementation will be explored.

Prerequisites

CHE 403 or CHE 410, and CHE 352 or CHE 519

DEPARTMENT:

Chemistry

CHE586 - Polymer and Materials Science Laboratory
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Laboratory skills as they pertain to the synthesis, isolation, and characterization of polymers and soft materials will be taught. Synthetic techniques will include bulk, solution, and water-borne polymerizations. Analytical techniques that will be utilized and discussed in terms of structure-activity relationships include differential scanning calorimetry, thermogravimetric analysis, dynamic mechanical analysis, rheology, and gel permeation chromatography. Four and a half hours of laboratory each week.

Prerequisites

CHE 320

Corequisites

CHE 576

DEPARTMENT:

Chemistry

CHE591 - Special Problems in Chemistry
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Laboratory and/or library investigations on special topics. Minimum of three hours per week. May be repeated once for credit.

Prerequisites

Senior standing and consent of instructor

DEPARTMENT:

Chemistry

CHE592 - Special Problems in Chemistry
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Laboratory and/or library investigations on special topics. Minimum of six hours per week. May be repeated once for credit.

Prerequisites

Senior standing and consent of instructor

DEPARTMENT:

Chemistry

CHE593 - Special Problems in Chemistry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Laboratory and/or library investigations on special topics. Minimum of nine hours per week. May be repeated once for credit.

Prerequisites

Senior standing and consent of instructor

DEPARTMENT:

Chemistry

CHE601 - Seminar
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Reports concerning current chemical literature including student-faculty discussions.

DEPARTMENT:

Chemistry

CHE602 - Seminar
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Reports concerning recent research carried out in the department including student-faculty discussions.

DEPARTMENT:

Chemistry

CHE604 - Fundamentals of Toxicology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course surveys the scope and fields of toxicology, including the methods and design of toxicity studies with attention to toxic chemicals, their effects and regulatory considerations.

Prerequisites

CHE 320

DEPARTMENT:

Chemistry

CHE609 - Advanced Inorganic Chemistry I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Practical aspects of wave mechanics and bonding theories for covalent and ionic compounds; considerations of symmetry; properties and theories associated with the solid state, acids, bases, and coordination compounds. Limited descriptive chemistry. PES, NMR, IR, and UV/VIS spectroscopy applications in modern inorganic chemistry. (Fall only.)

Prerequisites

CHE 420 or its equivalent at another four-year institution with a grade of C or better

DEPARTMENT:

Chemistry

CHE610 - Chemical Thermodynamics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Mathematical treatment of the laws of classical thermodynamics with special emphasis on the applications to chemical systems.

Prerequisites

CHE 420

DEPARTMENT:

Chemistry

CHE611 - Advanced Inorganic Chemistry II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A continuation of CHE 609 with increased emphasis on the descriptive chemistry of the various groups of elements as rationalized by bonding concepts and periodic trends studied in CHE 609.

Prerequisites

CHE 509 or 609

DEPARTMENT:

Chemistry

CHE613 - Environmental Chemistry
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Studies related to chemicals in the environment as to origin, identification, distribution, modification and effect on biological systems.

Prerequisites

CHE 320

DEPARTMENT:

Chemistry

CHE617 - Advanced Organic Chemistry
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive survey of modern organic chemistry with emphasis on theoretical concepts, reaction mechanisms and syntheses.

Prerequisites

CHE 320 and 420

DEPARTMENT:

Chemistry

CHE619 - Instrumental Analysis
CREDITS:

5

COURSE LEVEL:

Graduate

Description

Theory, calculations, and use of modern analytical techniques, such as visible, ultraviolet, infrared and Raman spectrometry, flame methods, gas chromatography, electrometric methods of analysis and magnetic resonance. Two lectures and six hours of laboratory per week. (Fall only.)

DEPARTMENT:

Chemistry

CHE620 - Chemical Kinetics and Mechanisms
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Rate theory, experimental methods, treatment of data, simple and complex reactions, reaction mechanisms.

Prerequisites

CHE 420

DEPARTMENT:

Chemistry

CHE623 - Radiochemistry
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Theory of nuclear radiations, their interactions, detection and chemical applications. Laboratory experiments utilizing ionization chambers, Geiger counters, proportional gas-flow counters, solid crystal and liquid scintillation detectors, gamma ray spectrometers and experimental simulations. Two lectures and three hours laboratory per week.

Corequisites

CHE 420

DEPARTMENT:

Chemistry

CHE625 - Biochemical Toxicology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the basic biochemical aspects of toxicology including adverse chemico-biological interactions and chemical and biologic factors modulating these interactions, descriptions of effects of specific chemical classes, and biochemical mechanisms of toxic effects.

Prerequisites

CHE 530, 330 and 604

DEPARTMENT:

Chemistry

CHE627 - Chemical Separations
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth study of modern analytical and preparative separation techniques. Emphasis is placed on molecular and bulk processes that affect the overall performance of a separation, as well as on practical aspects of commonly-employed methods and instrumentation.

Prerequisites

CHE 619

DEPARTMENT:

Chemistry

CHE628 - Mass Spectrometry
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Advanced study of the theory and practical aspects of molecular characterization by mass spectrometry. Topics will include molecular ionization and fragmentation, mass fragment separation, and fragment detection with an emphasis on accurate interpretation of resultant mass spectra.

Prerequisites

CHE 619

DEPARTMENT:

Chemistry

CHE629 - Medicinal Chemistry
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course that emphasizes the role of organic chemistry in drug design and development and its correlation to the molecular mechanisms of drug action.

Prerequisites

CHE 320; CHE 530 or CHE 617 is recommended

DEPARTMENT:

Chemistry

CHE630 - Electrochemical Methods of Analysis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the applications of electrochemistry in chemical analysis. The course focuses on the behavior of electrochemical cells, oxidation/reduction reactions, and electrochemical reaction mechanisms, particularly under controlled-potential conditions. Various experimental techniques are emphasized, along with the variety of chemical information that can be obtained from such techniques.

Prerequisites

CHE 619

DEPARTMENT:

Chemistry

CHE637 - Experimental Biochemistry
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will emphasize a mastery of modern biochemical laboratory techniques and the analysis of experimental data. One hour of lecture and four hours of laboratory per week.

Prerequisites

CHE 530

DEPARTMENT:

Chemistry

CHE640 - Biochemistry II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Continued study of the elements of metabolism, including their chemical reactions, energetics and regulation. Additional topics include hormones, biochemical function of various organs and replication, transcription and translation of genetic information.

Prerequisites

CHE 530

DEPARTMENT:

Chemistry

CHE641 - Spectroscopy and Group Theory
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Applications of group theoretical considerations of observed spectra. Spectra are discussed with emphasis on inorganic compounds.

Prerequisites

CHE 509 or 609

DEPARTMENT:

Chemistry

CHE645 - Computational Chemistry
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course concerns applications of quantum theory to solving problems in chemistry by means of advanced software and computer technology. It covers advanced quantum mechanical concepts, energy calculations, geometry optimization, potential energy surfaces, calculation of spectra, calculation of thermodynamic functions, and studying chemical reactions.

Prerequisites

CHE 420

DEPARTMENT:

Chemistry

CHE665 - Biogeochemistry
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

BIO665 - Biogeochemistry

Description

Survey and discussion of the scientific literature on global cycles of carbon, nitrogen, phosphorus and man-made chemicals with special emphasis on the biogeochemical and ecological processes that affect terrestrial and aquatic ecosystems. The course will focus on interdisciplinary themes that incorporate new research results from the fields of biology, chemistry, and geosciences.

DEPARTMENT:

Chemistry

CHE669 - Spectrometric Identification of Organic Compounds
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course dealing with the theory and applications of the following methods to the structural analysis of organic compounds: IR, NMR, UV-Vis, and MS. Three hours of lecture per week.

DEPARTMENT:

Chemistry

CHE670 - Special Topics in Inorganic Chemistry
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Selected topics which may include chemical applications of group theory, coordination compounds, organometallic compounds, and chemistry of less familiar elements. May be repeated for credit as different topics are featured. One to three lectures per week.

Prerequisites

CHE 509 or 609

DEPARTMENT:

Chemistry

CHE671 - Special Topics in Physical Chemistry
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Topics of current interest in physical chemistry. May be repeated for credit as different topics are featured. One to three lectures per week.

DEPARTMENT:

Chemistry

CHE672 - Special Topics in Analytical Chemistry
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Topics of current interest in analytical chemistry. May be repeated for credit as different topics are featured. One to three lectures per week.

Prerequisites

CHE 619

DEPARTMENT:

Chemistry

CHE673 - Special Topics in Organic Chemistry
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Advanced study in selected areas of organic chemistry. May be repeated for credit as different topics are featured. One to three lectures per week.

Prerequisites

CHE 320 with 527 very strongly recommended

DEPARTMENT:

Chemistry

CHE674 - Topics in Biochemistry
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Advanced study in selected areas of biochemistry. May be repeated for credit as different topics are introduced. One to three lectures per week.

Prerequisites

CHE 530

DEPARTMENT:

Chemistry

CHE676 - Polymer Chemistry
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The chemistry and physical properties of natural and synthetic polymers of practical importance, coupled with the instrumental and spectroscopic methods of their evaluation.

DEPARTMENT:

Chemistry

CHE677 - Physical Organic Chemistry
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the mechanisms of organic reactions and the effect of structure on reactivity in organic reactions as interpreted from experimental data. Three lectures per week.

Prerequisites

CHE 617

DEPARTMENT:

Chemistry

CHE681 - Advanced Physical Chemistry
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Continuation of some topics included in the one-year physical chemistry course and inclusion of new topics. Among these topics are quantum chemistry, bonding, statistical thermodynamics, spectroscopy, macromolecules and the solid state.

Prerequisites

CHE 420

DEPARTMENT:

Chemistry

CHE686 - Polymer and Materials Science Laboratory
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Laboratory skills as they pertain to the synthesis, isolation and characterization of polymers and soft materials will be taught. Synthetic techniques will include bulk, solution and water-borne polymerizations. Analytical techniques that will be utilized and discussed in terms of structure-activity relationships include differential scanning calorimetry, thermogravimetric analysis, dynamic mechanical analysis, rheology and gel permeation chromatography. Four and a half hours of laboratory each week.

Prerequisites

CHE 619

Corequisites

CHE 676

DEPARTMENT:

Chemistry

CHE691 - Special Problems in Chemistry
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Laboratory and/or library investigations on special topics, minimum of four hours per week.

Prerequisites

Graduate status in the department of chemistry

DEPARTMENT:

Chemistry

CHE692 - Special Problems in Chemistry
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Laboratory and/or library investigations on special topics, minimum of eight hours per week.

Prerequisites

Graduate status in the department of chemistry

DEPARTMENT:

Chemistry

CHE693 - Special Problems in Chemistry
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Laboratory and/or library investigations on special topics, minimum of 12 hours per week.

Prerequisites

Graduate status in the department of chemistry

DEPARTMENT:

Chemistry

CHE698 - Thesis Research
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Problems and hours arranged individually with staff members directing the research. Registration must be approved by the chair of the department.

DEPARTMENT:

Chemistry

CHE699 - Thesis Research
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Continuation of CHE 698.

Prerequisites

CHE 698

DEPARTMENT:

Chemistry

CHN: Chinese

CHN101 - Elementary Chinese I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the sounds and structural patterns of modern Chinese through instruction in listening, speaking, reading, and writing. Some instruction in Chinese whenever possible using the Pinyin Romanization and simplified Chinese characters.

DEPARTMENT:

Global Languages and Theatre Arts

CHN102 - Elementary Chinese II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of Chinese 101. A study of the sounds and structural patterns of modern Chinese through instruction in listening, speaking, reading, and writing using the Pinyin Romanization and simplified Chinese characters. Some instruction in Chinese whenever possible.

Prerequisites

CHN 101

DEPARTMENT:

Global Languages and Theatre Arts

CHN105 - Introduction to Chinese Culture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of Chinese society. Contemporary and historical perspectives, attitudes, achievements, institutions, and lifestyles of the Chinese people are explored. Conducted in English.

DEPARTMENT:

Global Languages and Theatre Arts

CHN110 - Basic Conversational Chinese
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A conversation-oriented introduction to pronunciation and essential structures and vocabulary of Mandarin Chinese. Pronunciation, listening comprehension, speaking and simple reading and writing of material related to conversational situations are included. No continuation offered. Only taught abroad.

DEPARTMENT:

Global Languages and Theatre Arts

CHN201 - Intermediate Chinese I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of Chinese 102. A study of the sounds and structural patterns of modern Chinese through instruction in listening, speaking, reading, and writing using the Pinyin Romanization and simplified Chinese characters. Instruction will be in Chinese whenever possible.

Prerequisites

CHN 102

DEPARTMENT:

Global Languages and Theatre Arts

CHN202 - Intermediate Chinese II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of CHN 201. A study of the sounds and structural patterns of modern Chinese through instruction in listening, speaking, reading, and writing using the Pinyin Romanization and simplified Chinese characters. A large part of instruction will be in Chinese whenever possible.

Prerequisites

CHN 201

DEPARTMENT:

Global Languages and Theatre Arts

CHN210 - Intermediate Conversational Chinese
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to develop the vocabulary and oral communication skills of the student with a background of one year of college Chinese or equivalent. Emphasis will be placed on bringing the student into contact with the Chinese people are various aspects of their culture. No continuation offered. Only taught abroad.

Prerequisites

CHN 102

DEPARTMENT:

Global Languages and Theatre Arts

CHN305 - Understanding China: Traditions and Trends
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of modern Chinese cultural trends, political situations, and social issues, as well as their roots in traditional history, philosophy, and ethics. Historical and contemporary perspectives, attitudes, achievements, and lifestyles of the Chinese people and their interaction with the rest of the world are explored. Taught in English.

Prerequisites

ENG 105 or ENG 150

DEPARTMENT:

Global Languages and Theatre Arts

CHN310 - Chinese Conversation and Composite Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Intensive practice in speaking and writing Mandarin Chinese based on the student's interaction with native speakers and the international setting. No continuation offered. Only taught abroad.

Prerequisites

CHN 202 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

CHN314 - Chinese Culture Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Chinese culture taught in Mandarin Chinese and only taught in study-abroad programs in Mainland China and Taiwan. The course entails planned activities as well as excursions to cultural sites in conjunction with readings about the activities, the sites, and the intellectual history and milieu behind their conception. The student will explore the history, art, architecture, literature, politics, and music of the host country.

DEPARTMENT:

Global Languages and Theatre Arts

CHN340 - Chinese Diversity Through Food
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A general study of the cultural and historical significance of food in China and of China's diverse regional cultures. It introduces the history, geography, and cuisine of five major regions in China. There will be some required field trips locally. Taught in English.

Prerequisites

ENG 105 or 150

DEPARTMENT:

Global Languages and Theatre Arts

CHN451 - Directed Study
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Independent work in the area of language, culture, or literature, designed to meet the needs and interests of individual students. May be taught abroad. May be repeated up to a maximum of six credit hours.

Prerequisites

CHN 202 or 210

DEPARTMENT:

Global Languages and Theatre Arts

CHN460 - Study in a Genre
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course will explore a particular genre, such as drama, poetry, short story, and prose; the theory behind the respective genre; and an examination of a variety of works within that genre. May be repeated for up to six credit hours if genres are different.

Prerequisites

CHN 202, 210, 310, or 314

DEPARTMENT:

Global Languages and Theatre Arts

CIS: Computer Information Systems

CIS243 - Business Statistics I
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Statistical techniques used in analyzing and solving problems encountered in a business environment. Techniques include organizing and presenting statistical data, descriptive statistical analysis, probability distributions for discrete and binomial random variables, normal probability distribution, and simple random sampling. Techniques are applied to practical business problems using appropriate computer resources.

Prerequisites

CSC 199 and MAT 220 or 250

DEPARTMENT:

Computer Science and Information Systems

CIS290 - Internship
CREDITS:

3 - 6

COURSE LEVEL:

Undergraduate

Description

Open to sophomore associate degree candidates in computer data processing. These students, upon approval of the computer data processing faculty, are placed with cooperating firms to receive on-the-job training or advanced design and programming training of equivalent value. Work experience is supervised by faculty. Written progress reports are required.

DEPARTMENT:

Computer Science and Information Systems

CIS296 - International Experience in CSIS
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of topics relevant to courses taught in the computer science and information systems disciplines. It is taught as part of a Study Abroad program and therefore includes material specific to the country/region of study. Topics may include: date organization and analysis, art and craft of web site development, quantitative techniques for solving business problems, etc.

DEPARTMENT:

Computer Science and Information Systems

CIS299 - Special Topics in Computer Applications
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

CSC299 - Special Topics in Computer Applications

Description

A special topics course designed to permit the teaching of appropriate topics as needed in a changing high-tech discipline. The course will include those topics which are relevant but not necessarily appropriate for permanent, specific course status. Topics will be selected and offered on university/community need and/or interest. Does not apply to the CSC or CIS majors. May not be substituted for any course in the business core. Prerequisites vary with topics covered. May be repeated for a maximum of six hours. (Same as CSC 299.)

DEPARTMENT:

Computer Science and Information Systems

CIS307 - Decision Support Technologies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth study of techniques used in business application modeling and decision-making to solve managerial problems. Students will use contemporary spreadsheet, database, web application software packages and query languages (SQL) to implement various business decision-making scenarios. A student may receive credit for only one of the following courses: ACC 308, BUS 355, or CIS 307.

Prerequisites

CSC 101 and 199

DEPARTMENT:

Computer Science and Information Systems

CIS317 - Principles of Information Systems Analysis and Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Topics to be covered are systems development processes, structured analysis design methods, prototyping, systems development life cycle, and communication skills. A systems design model will be developed during the course.

Prerequisites

CSC 101

DEPARTMENT:

Computer Science and Information Systems

CIS325 - E-Business Programming
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to programming languages and Web server technologies used in E-business applications. This course focuses more on client-side E-business development issues such as good web page design techniques, prevalent technologies, interactive and dynamic Web applications, and programming using common scripting languages. Some server-side issues are also covered.

Prerequisites

CSC 125 and CSC 232

DEPARTMENT:

Computer Science and Information Systems

CIS343 - Business Statistics II
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Statistical techniques used in analyzing and solving problems encountered in a business environment. Techniques include point estimates, confidence intervals for a population mean, hypothesis testing for mean of one and two populations, statistical inference of proportions and simple linear regression. Techniques are applied to practical business problems using appropriate computer resources. Prerequisites: CIS 243 or STA 135 with a minimum grade of C and MAT 220.

Prerequisites

CIS 243 or STA 135 with a minimum grade of C and MAT 220

DEPARTMENT:

Computer Science and Information Systems

CIS361 - Developing Data Products
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course teaches students to build analytics applications (or data products) that can be used by organizations to enhance their decisions and performance. To build such applications, students will have to master an analytical environment together with a number of related technologies for cleaning, visualizing, analyzing, and reporting data within this environment.

Prerequisites

CSC 145 or CSC 232 or CSC 233 or CSC 235

DEPARTMENT:

Computer Science and Information Systems

CIS399 - Topics in Information Systems
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Seminar for students in Computer Science and Information Systems programs to expose them to a variety of topics and their relevance to the broad discipline of Information Technology. Students will discover career paths and areas of focus in their upper division courses. Graded Pass/Fail.

Prerequisites

Sophomore standing

DEPARTMENT:

Computer Science and Information Systems

CIS407 - Advanced Database Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to cover both the theoretical and practical aspects of database design and implementation. The theory and practice of design approaches and languages for the relational model are stressed. Specific topics will include data modeling: database design using normalization theory and relational query languages; issues of concurrency control, recovery, optimization, database security, privacy and integrity; new database technology, developments, and trends. Students in the course will be expected to design and implement a practical database application using a contemporary database management software package. Students may not get credit for both CIS407 and CIS509.

Prerequisites

CIS 307 or CSC 345 or BAC 355

DEPARTMENT:

Computer Science and Information Systems

CIS417 - Software Development Technologies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will examine specialized software development problems and their solutions. Topics such as advanced Internet programming, interfaces between applications and data sources, software development using open source and proprietary software environments, development of distributed applications and Web services will be studied.

Prerequisites

CIS 317 and CSC 332

DEPARTMENT:

Computer Science and Information Systems

CIS420 - Senior Capstone Project
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The capstone course for students graduating with an Area in Computer Information Systems (CIS). Students will work in teams to design and implement a complete information system using contemporary software development tools. The workplace will be simulated to the extent possible by stressing in-depth analysis of the client's requirements, formal modes of communication and established project management techniques. Evaluation is based on the completed project using feedback from clients.

Prerequisites

CIS 317 and CIS 407

DEPARTMENT:

Computer Science and Information Systems

CIS425 - Building E-Business with Web Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course covers how to build the front-end, middleware, and back-end components that drive E-business. Emphasis is on building a functional E-business site that is capable of processing transactions and interacting with a database. Topics include common E-business technologies, Web database technology, content management, on-line payments, Web usability, client-side and server-side programming using common scripting languages and middleware technologies, and website registration, promotion, and maintenance.

Prerequisites

CIS 325 and 407

DEPARTMENT:

Computer Science and Information Systems

CIS443 - Business Statistics III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Statistical techniques used in analyzing and solving problems encountered in business organizations. Techniques include multiple regression analysis, time series analysis and forecasting, analysis of variance and nonparametric statistics. Additional topics will include conditional probability, the Poisson, exponential and uniform probability distributions, and the chi-square goodness-of-fit test. Techniques are applied to practical business problems using computer statistical software. This course provides preparation for those students considering graduate school and for those students pursuing programs requiring statistical preparation beyond CIS 343.

Prerequisites

CIS 343 with a minimum grade of C

DEPARTMENT:

Computer Science and Information Systems

CIS480 - Foundations of Information Systems Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Thorough knowledge of database management and systems analysis and design techniques is essential for any Information Systems professional. This course covers important aspects of database management and systems analysis & design techniques. This course is also open to graduate students but will not count towards the graduate degree.

DEPARTMENT:

Computer Science and Information Systems

CIS488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

DEPARTMENT:

Computer Science and Information Systems

CIS489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

DEPARTMENT:

Computer Science and Information Systems

CIS490 - Survey of Calculus and Statistics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey course in topics in calculus and statistics that will prepare those lacking proper foundation in quantitative subjects for the MBA program. Not open to students with credit for CIS 343 and MAT 220 or 250 or their equivalent courses. Covers most of the material in CIS 343 and MAT 220.

Prerequisites

MAT 140 or equivalent

DEPARTMENT:

Computer Science and Information Systems

CIS508 - Computer Simulation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of computer simulation models of systems and processes. Simulation methodology, simulation model development, simulation computer languages, and the analysis of simulation results are considered. The course makes use of simulation computer software.

Prerequisites

CIS 343 and CSC 199 or equivalent

DEPARTMENT:

Computer Science and Information Systems

CIS509 - Data Management for Data Warehouses
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides the student with a review of database technology, the technical skills required to plan, implement and maintain databases using appropriate software. A significant part of the course will be spent on development of Structured Query Language (SQL) queries and processes to extract (E) data from multiple sources, transform (T) data as needed and the loading (L) of the same into data warehouses.

Prerequisites

Junior standing

DEPARTMENT:

Computer Science and Information Systems

CIS525 - Overview of E-Business Technologies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides an overview of important technologies that underlie and enable E-Business. A solid understanding of the common E-Business models and their underlying enabling technologies will be examined using a practical case-based approach.

DEPARTMENT:

Computer Science and Information Systems

CIS543 - Advanced Business Analytics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides conceptual overview of data mining techniques that are used to discover patterns, to predict trends, and to classify observations. In addition, the course includes hands-on practice using modern analytic software and analysis of contemporary business case studies.

Prerequisites

CIS 343

DEPARTMENT:

Computer Science and Information Systems

CIS548 - Enterprise Resource Planning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides the knowledge required to appreciate the functions and benefits of Enterprise Resource Planning (ERP) systems. Students will learn the impact of an ERP system, how ERP software integrates business functions, and how to make current business functions compatible with and ERP system. The students will also develop an appreciation of live, interactive information from an ERP system and the value of its availability throughout the organization.

DEPARTMENT:

Computer Science and Information Systems

CIS585 - Special Problems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course consists of independent in-depth study of some problem in computer methods and/or quantitative methods. Periodic conferences will be arranged with the supervising faculty member on an individual basis.

DEPARTMENT:

Computer Science and Information Systems

CIS601 - Data Communication and Networking
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

CYS601 - Data Communications and Networking

Description

A study of data communications, network infrastructure, transmission technologies, and hardware/software components that support modern business communications. Designed to provide students with the technical foundation to manage and secure contemporary data networks. (Same as CYS 601.)

DEPARTMENT:

Computer Science and Information Systems

CIS603 - Project Management
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

CYS603 - Project Management

Description

This course is designed to provide an in-depth understanding of key ideas, practices, issues, concepts, artifacts, frameworks, and theories of project management in the context of IT, telecommunications, and cyber security. Special emphasis is put on understanding of how projects align with the overall strategy of an organization and how well-planned projects can help an organization achieve positive results in relation to operations, competitive advantage, and security. (Same as CYS 603.)

DEPARTMENT:

Computer Science and Information Systems

CIS607 - A Manager's Guide to Database
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course places the database environment in an organizational context. Information is an increasingly valuable corporate resource. Allocation of resources is a primary managerial responsibility. This course provides managers with the background necessary for making decisions regarding the information resource. Topics include information resource planning, managing implementation in the database environment, human factor in the database environment, and software and hardware selection.

Prerequisites

ACC 308 or BUS 355 or CIS 307

DEPARTMENT:

Computer Science and Information Systems

CIS609 - Data Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides the student with a comprehensive introduction to databases, the technical skills required to plan, implement and maintain a databases using appropriate software. A significant part of the course will be spent on development of Structured Query Language (SQL) queries and processes to extract (E) data from multiple sources, transform (T) data as needed and the loading (L) of the same into datawarehouses (ETL).

DEPARTMENT:

Computer Science and Information Systems

CIS615 - Information System Security
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

CYS615 - Information System Security

Description

Graduate-level study of modern computer, network, and information systems security. This course presents systems oriented approaches to network defense, malicious software, and data encryption. Topics include network intrusion prevention and detection; incident response; computer forensics; worms; viruses; Trojan horses; public key encryption; message authentication; and privacy issues. Throughout the presentation of security issues, discussion will focus on the cost of security to business and society at large. (Same as CYS 615.)

DEPARTMENT:

Computer Science and Information Systems

CIS623 - Introduction to Business Analytics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Business analytics refers to the techniques and practices of statistical data analysis useful to business organizations. This course covers the fundamental concepts of data analysis and intermediary concepts such as descriptive, predictive, and prescriptive analysis. The analytical techniques covered include visualization, regression, forecasting, simulation, optimization, and risk analysis. Students get to learn and use advanced spreadsheet functions as well as visualization tools to analyze business data.

DEPARTMENT:

Computer Science and Information Systems

CIS625 - Overview of E-Business Models
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides an overview of technologies that enable the design, development, and management of E-Business. Techniques for analysis and development of E-Business models, strategies for leveraging mobile technologies, cloud computing and social media will also be covered. Based on the class material, students will develop a business plan for a new E-Business and present it to class.

DEPARTMENT:

Computer Science and Information Systems

CIS643 - Advanced Business Analytics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides a conceptual overview of data mining techniques that are used to discover patterns, to predict trends, and to classify observations. In addition, the course includes hands-on practice using modern analytic software and analysis of contemporary business case studies.

Prerequisites

CIS 623

DEPARTMENT:

Computer Science and Information Systems

CIS645 - Decision Support and Expert Systems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study of the theories and techniques of computerized decision support and expert systems. The practical application of these systems to problems of business and industrial organizations is stressed. A major part of the course will be devoted to the use of appropriate decision support and expert system computer software.

Prerequisites

BUS 355

DEPARTMENT:

Computer Science and Information Systems

CIS647 - Systems Analysis and Design for End User/Manager
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course presents an overview of information systems (IS) and the systems development life cycle for the systems analyst. The course will focus on tools and techniques that the end user, analyst and/or programmer can use to document IS. Classical and structured tools for describing data flow, data structure, process flow, file design, input and output designs, and program specifications will be applied to documenting systems. The course will also survey other important topics for the systems analyst such as data gathering and reporting, project management, cost/benefit analysis, and computer-aided system engineering (CASE) technologies.

Prerequisites

BUS 355

DEPARTMENT:

Computer Science and Information Systems

CIS648 - Enterprise Resource Planning
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course provides the knowledge required to appreciate the functions and benefits of Enterprise Resource Planning (ERP) systems. Students will learn the impact of an ERP system, how ERP software integrates business functions, and how to make current business functions compatible with and ERP system. The students will also develop an appreciation of live, interactive information from an ERP system and the value of its availability throughout the organization.

DEPARTMENT:

Computer Science and Information Systems

CIS650 - Software Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Explores software development practices used in contemporary software projects using technical perspectives. Software development methods including structured, object oriented, and patterns based development will be covered. Starting from fundamentals of software development, the course will cover advanced techniques in software development.

DEPARTMENT:

Computer Science and Information Systems

CIS663 - Developing Analytics Applications
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Software applications development in analytics draws on requirements analysis skills, data management skills, data analysis skills, and programming skills. This course will focus on techniques and tools for developing analytics applications. Students will get to complete numerous analytics mini-projects.

Prerequisites

CIS 609, CIS 650, and CIS 643 or 623

DEPARTMENT:

Computer Science and Information Systems

CIS670 - Developing E-Commerce Applications
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of programming languages and operating systems used in Internet applications as well as the technologies available for the implementation of customer transactions using Internet technology.

Prerequisites

High-level programming language and CIS 407 (or equivalent)

DEPARTMENT:

Computer Science and Information Systems

CIS680 - Information Technology Policy and Strategy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course incorporates a case study strategy to actively develop the student's ability to analyze information technology issues from the overall perspective of the organization.

DEPARTMENT:

Computer Science and Information Systems

CIS685 - Special Problems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course consists of independent in-depth study of some problem in computer methods and/or quantitative methods. Periodic conferences will be arranged with the supervising faculty member on an individual basis.

DEPARTMENT:

Computer Science and Information Systems

CIS688 - Graduate Internship in Information Systems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Application of knowledge and skills developed in core courses in an organizational environment to solve Information Systems problems. Emphasizes practical industry experience. Periodic reports and a final comprehensive report at the end of the internship project period are submitted to the departmental graduate committee. A formal presentation is also required. Graded pass/fail.

DEPARTMENT:

Computer Science and Information Systems

CIS695 - Comprehensive Project In Computer Information Systems
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

This course consists of an independent, in-depth study of a topic or problem in computer information systems under the direct supervision of a faculty member. Periodic conferences will be arranged with the supervising faculty member on an individual basis. Graded pass/fail.

Prerequisites

12 hours of graduate work in computer information systems or computer science and consent of the instructor

DEPARTMENT:

Computer Science and Information Systems

CIV: Civilizations

CIV201 - World Civilizations I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

Description

An interdisciplinary survey of the history of world civilizations from the origins of humankind to the 15th century. This will be a lecture/discussion course following a chronological outline and, within this framework, will focus on traditions, change, and diversity in the development of social hierarchies (e.g., gender or class), power systems, religion, technology, and warfare.

Prerequisites

ENG 101 and 102; or ENG 105 or 150

DEPARTMENT:

History

CIV202 - World Civilizations II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

Description

An interdisciplinary survey of the history of world civilizations from the 15th century to the present. This will be a lecture/discussion course following a chronological outline and, within this framework, will focus on traditions, change, and diversity in the development of social hierarchies (e.g., gender or class), power systems, religion, technology, and warfare.

DEPARTMENT:

History

CMA: Institute of Engineering

CMA100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Meetings with advisors, department personnel, service areas, and campus field trips comprise the main involvement. Availability of university resources is stressed with emphasis on personal needs. Graded pass/fail. (Fall)

DEPARTMENT:

Institute of Engineering

CMA107 - Introduction to Technical Drawing and Computer Aided Drafting
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A survey course in conventional and computer aided drafting theory and practice. The application of design principles, multi-view drawing techniques and precision use of conventional drafting equipment will be complemented by an introduction to computer aided drawing software, including setting up, drawing, editing, saving and plotting drawings. Does not apply towards a major in drafting and design. Lecture and laboratory-six contact hours. Restricted to CET and ITD majors.

DEPARTMENT:

Institute of Engineering

CMA108 - Architectural Rendering
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An intermediate course in the theory and practical application of computer-aided systems for drafting/design fields. A review of two-dimensional and three-dimensional drawing techniques is presented followed by emphasis in the creation of architectural drawings. This course includes hands-on experience with interactive graphics equipment.

Prerequisites

CMA 107

DEPARTMENT:

Institute of Engineering

CMA110 - Introduction to Construction Management and Architecture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to construction management and architectural design, including measurements, estimating, ethics, applicable software, and analysis tools. Career opportunities in a variety of related disciplines will also be presented and discussed.

DEPARTMENT:

Institute of Engineering

CMA199 - Environment Science and Technology Concepts
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Pollution assessment and control introduction intended for general public awareness. Topics include basic environmental science and ecological principles; population dynamics and resource management; sampling and analytical techniques; regulatory considerations; and water treatment, air pollution control, solid waste handling, and hazardous waste management systems. Laboratory required.

DEPARTMENT:

Institute of Engineering

CMA210 - Construction Documents
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will explore the function and application of working drawings, specifications, and the various documents required to carry out a typical design and construction project. Students will apply and interpret industry standards as they apply to construction documents.

Prerequisites

IOE 125

DEPARTMENT:

Institute of Engineering

CMA280 - Plane Surveying
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Field and office procedures necessary for measuring distances, elevations, horizontal and vertical angles. Boundary and area calculations and basic construction applications of survey procedures. Care and use of survey instruments. Two hours lecture and three hours lab.

Prerequisites

MAT 130 and CMA 107

DEPARTMENT:

Institute of Engineering

CMA282 - Construction Methods and Equipment
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the production rates and owning and operating costs of construction equipment along with methods used in heavy and building construction. (Fall)

Prerequisites

MAT 130

DEPARTMENT:

Institute of Engineering

CMA284 - Sustainable Design and Construction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to principles of sustainable design and construction of residential and commercial facilities. Topics include 'green' building fundamentals and certifications, landscaping, energy, materials, indoor environmental quality, and economics. (Spring)

DEPARTMENT:

Institute of Engineering

CMA298 - Strength of Materials
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of internal stresses and physical deformations caused by externally applied loads to structural members. Topics include normal and shearing stresses, stress and strain relationships, simple tension and compression of axial members, composition beams, inelastic bending, transverse shear stresses in beams, deflections, and elementary design of beams and shafts. Includes a laboratory investigation of mechanical properties of materials and structural elements.

Prerequisites

ENT 287 and MAT 230

DEPARTMENT:

Institute of Engineering

CMA301 - Architectural Design Studio I
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Introductory course with an emphasis on the architectural responses to peoples basic needs for shelter. At the fundamental level, these needs, physical, psychological, sensual, intellectual, cultural and aesthetic are met through physical design. The students will use BIM (Building Information Modeling) computer tools to solve problems at the introductory level addressing design documentation through various lab activities. Lecture and laboratory-six contact hours.

Prerequisites

EGD 101 or CMA 107

DEPARTMENT:

Institute of Engineering

CMA302 - Structural Drawing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of methods and procedures used in architectural drawing and in graphical presentations of steel and concrete structures. Emphasis is placed on structural drawing and detailing with special emphasis on detailing of structural steel and reinforced concrete members of buildings. Six contact hours. (Spring)

Prerequisites

CMA 107 or equivalent

DEPARTMENT:

Institute of Engineering

CMA305 - Advanced Technology in Construction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will focus on the integration of new and existing computer software and advanced technologies in construction management. This class will expose students to emerging software applications and advanced technology used in the construction industry. The lecture and lab are integrated each week and throughout the semester.

Prerequisites

CMA 107 and 210

DEPARTMENT:

Institute of Engineering

CMA310 - Anatomy of Buildings
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of the function, physical makeup, and working principles of various building systems, components and materials. Emphasis on the basic design principles and interdependence of the structural, utility and climate control systems. This course is designed to enhance the student's knowledge of the total building process. (Spring)

DEPARTMENT:

Institute of Engineering

CMA330 - Water Quality Technology I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course of study includes fundamental design and operation of water treatment and reclamation systems. Topics include analyses of water and wastewater characteristics, system design conforming to regulatory requirements, and related chemical, biological, and hydraulics concepts. (Fall)

Prerequisites

MAT 130

DEPARTMENT:

Institute of Engineering

CMA331 - Water Quality Technology II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of CET 330 and includes fundamental design and operation of water treatment and reclamation systems. Topics include analyses of water characteristics, system design, and related chemical, biological, and hydraulics concepts. (Spring)

Prerequisites

CMA 330

DEPARTMENT:

Institute of Engineering

CMA342 - Air Quality Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Ecosystem air chemistry and dynamics are stressed. The impacts of natural and human-derived pollution, both indoor and outdoor, are studied. The impact of regulations upon industrial production is also addressed. (Spring)

Prerequisites

MAT 230

DEPARTMENT:

Institute of Engineering

CMA353 - Solid and Hazardous Waste Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Generation and remediation of solid and hazardous wastes are examined. Transportation and recycling within legislative guidelines are studied. Waste management planning, recycling technologies and risk assessment are also included. The course scope includes municipal, industrial and forest/agricultural solid waste generation. (Spring)

Prerequisites

MAT 130

DEPARTMENT:

Institute of Engineering

CMA370 - Route Surveying
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Field and office practice in surveys needed for road construction and improvement. Computer mapping, preparation of digital terrain models, earth volume and mass diagram computation. Radial staking using electronic distance measurement and total station surveying instruments. Methods of free positioning on the construction site.

Prerequisites

CMA 280, MAT 230

DEPARTMENT:

Institute of Engineering

CMA381 - Boundary Surveying I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Field surveys and computational procedures necessary for boundary retracement and land subdivision in both metes and bounds and public lands states. Boundary law, subdivision ordinances, statutory requirement for boundary surveys. Two hours lecture and three hours lab. (Spring)

Prerequisites

CMA 280 and MAT 230 or 250

DEPARTMENT:

Institute of Engineering

CMA385 - Construction Estimating I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Basic estimating procedures relating to quantity surveying, earthwork computations, and cost of labor and materials. CPM determinations of project durations and resources required for construction. (Fall)

DEPARTMENT:

Institute of Engineering

CMA386 - Construction Estimating II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Estimating and bidding large construction projects with an emphasis on reinforced concrete and structural steel work. (Spring)

Prerequisites

CMA 385

DEPARTMENT:

Institute of Engineering

CMA401 - Architectural Design Studio II
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An intermediate course focused on the design of small buildings with emphasis on schematic and presentation drawings and 3D model building. Students will develop intermediate level design documentation to include construction details, notations, and applications. Analysis and synthesis of architectural form generated by program requirements, physical systems, spatial organization, available technologies, and review of historic precedents and aesthetics will also be explored. Lecture and laboratory-six contact hours. (Fall)

Prerequisites

CMA 301

DEPARTMENT:

Institute of Engineering

CMA410 - Transportation Systems and Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Fundamentals and concepts of transportation engineering, including abroad overview and introduction of design tools and concepts.

Prerequisites

CMA 370

DEPARTMENT:

Institute of Engineering

CMA460 - Geodesy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Basic elements of geometric and physical geodesy. Geodetic direct and inverse. Data adjustment. Observations using the global positioning system. Two hours lecture plus three hours lab.

Prerequisites

CMA 381 and MAT 308 or 330

DEPARTMENT:

Institute of Engineering

CMA470 - Steel and Concrete in Construction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This class will include the analysis and design of structural steel and reinforced concrete elements. Emphasis will be placed on steel and concrete building code requirements and design standards.

Prerequisites

ENT 265

DEPARTMENT:

Institute of Engineering

CMA480 - Construction Planning and Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Project management including planning, scheduling, supervision and emphasis on contracts and specifications. (Fall)

DEPARTMENT:

Institute of Engineering

CMA481 - Structural Steel Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Elementary structural analysis and design of tension members, beams, columns and connections. Emphasis is placed on the AISC specifications. (Fall)

Prerequisites

CMA 298

DEPARTMENT:

Institute of Engineering

CMA482 - Reinforced Concrete Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Analysis and design of reinforced concrete beams, columns, footings and one-way slabs using the strength design method. Emphasis is placed on the ACI Building Code. (Spring)

Prerequisites

CMA 298

DEPARTMENT:

Institute of Engineering

CMA483 - Construction Materials
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Basic properties of materials used in construction concrete, asphalt, aggregates and timber. Design procedures, field control and adjustments. Three hours lecture and two hours laboratory. (Fall)

DEPARTMENT:

Institute of Engineering

CMA484 - Soil Mechanics and Foundations
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Mechanical and physical properties of soils and their relations to engineering considerations, such as soil classification, permeability, shearing strength, consolidation, stress distribution, and bearing capacity of soils. Introduction to the analysis and design of shallow footings. Lecture and laboratory. (Spring)

Prerequisites

ENT 287

DEPARTMENT:

Institute of Engineering

CMA485 - Land Use and Watershed Protection
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Focuses on impacts of land use on receiving waters, storm water management, erosion control, stream bank restoration, and reclamation of disturbed lands. Two hours lecture and three hours lab. Some weekend field trips required. Prerequisites: CET 280, ENT 286, and 382.

Prerequisites

CMA 280, ENT 286, and 382

DEPARTMENT:

Institute of Engineering

CMA486 - Boundary Surveying II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Addresses field surveys and computational procedures necessary for land subdivision. Boundary retracement of state and municipal boundaries along with the colonial land system and Virginia/Kentucky land grant systems will also be components of the course. Two hours lecture and three hours lab. Additional field exercises are required.

Prerequisites

CMA 381

DEPARTMENT:

Institute of Engineering

CMA490 - Construction Scheduling and Methods
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Project management including planning, scheduling, and emphasis on construction methods and project delivery. (Spring)

Prerequisites

CMA 480

DEPARTMENT:

Institute of Engineering

CMA503 - Architectural Design Studio III
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An advanced course that will focus in the increasing complexity of preliminary design, schematic design, and design development of an institutional or commercial building. This will be an advanced course concerning design documentation that will include a wide range of construction documentation, industry standard applications, and innovative architectural design practices. Developing the student's ability to research, analyze, and evaluate information as the design evolves will be emphasized through a major BIM project. Lecture and laboratory-six contact hours.

Prerequisites

CMA 401

DEPARTMENT:

Institute of Engineering

CMA555 - Environmental Regulatory Affairs
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Laws and regulations pertinent to the management of water and wastewater, hazardous and toxic wastes, air contaminants, underground storage tanks and other timely environmental issues are studied. General legal concepts, the relationships among industries and local, state, and federal agencies, environmental audits and community right-to-know requirements are among the topics included.

Prerequisites

CMA 331, 342, and 353

DEPARTMENT:

Institute of Engineering

CMA585 - Remediation Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study includes process design and operations for biological and physical/chemical systems used to remove organic and inorganic contaminants from soil and groundwater. (Fall)

DEPARTMENT:

Institute of Engineering

CMA587 - Sustainable Environmental Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course focuses on analysis and design of environmental systems that enhance sustainable development and conserve natural resources. Topics include bioresiduals land application, natural treatment systems, life cycle analysis, and environmental economics.

DEPARTMENT:

Institute of Engineering

CMA589 - Enviromental Modeling
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Computer modeling of environmental/ecosystem phenomena including predictive impact of pollution discharges and engineering hydrology will be stressed.

Prerequisites

ENT 382

DEPARTMENT:

Institute of Engineering

CNM: Cybersecurity and Network Management

CNM100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. A student (transfer or regular) who has not enrolled in and earned 12 hours prior to his/her first semester at Murray State University must take Transitions. Graded pass/fail.

DEPARTMENT:

Institute of Engineering

CNM118 - Telecommunications Electronics I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A theoretical overview of the electronic building blocks involved in the field of telecommunications.

Prerequisites

ACT standard score of at least 20 or MAT 140

DEPARTMENT:

Institute of Engineering

CNM121 - Telecommunications Electronic Principles
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of the processes and theory utilized in the field of telecommunications.

Prerequisites

MAT 140

DEPARTMENT:

Institute of Engineering

CNM132 - Network Technical Support
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Primarily lab-based course, studying microcomputer concepts, with emphasis on network technician practices. Students learn to operate, install, configure, troubleshoot, upgrade, and maintain microcomputers and gain an introductory understanding of computer networks. Two hours lecture and two hours lab.

DEPARTMENT:

Institute of Engineering

CNM134 - Introduction to Telecommunications Systems Management
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

An overview of the telecommunications industry including history, fundamentals, regulations, the marketplace, educational requirements, and job/career opportunities. The class will focus on telecommunications terminology, overviews of specific technologies and their business application.

DEPARTMENT:

Institute of Engineering

CNM135 - Introduction to Network Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of the technology and managerial considerations of the telecommunications systems management field, including history, job market, educational requirements, microcomputer concepts and basic networking concepts.

DEPARTMENT:

Institute of Engineering

CNM218 - Telecommunications Electronics II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continued theoretical overview of the electronic building blocks involved in the field of telecommunications.

Prerequisites

CNM 118

DEPARTMENT:

Institute of Engineering

CNM219 - Electronic Skills Laboratory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Electrical, electronic and related mechanical drafting; printed circuit board layout and masking techniques; introduction to CAD techniques; industrial documentation procedures. The lab is integrated into the class each week and throughout the semester.

DEPARTMENT:

Institute of Engineering

CNM232 - Operating Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of operating systems and network administrative functions necessary to implement and maintain modern Local Area Networks (LAN). Topics include operating system installation and configuration, optimization, and administrative tasks. Two hours of lecture and two hours of lab per week.

Prerequisites

CNM 135; ACT score of at least 18 and Reading ACT score of at least 20

DEPARTMENT:

Institute of Engineering

CNM233 - Network Services
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A lecture-lab class providing the student in-depth analysis and evaluation, name resolution, directory services, IP management, email and web services and service availability. Two hours of lecture and two hours of lab per week.

Prerequisites

CNM 232

DEPARTMENT:

Institute of Engineering

CNM241 - Networking Fundamentals
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of fundamentals of networking including the topics of switches; routers; Ethernet; VLANs; sub-netting; routing and routed protocols; access-control lists; and device operating systems and management. Students will be able to design and implement simple wired networks and internetworks upon completion of this course. Two hours of lecture and two hours of lab per week.

Prerequisites

CNM 232

DEPARTMENT:

Institute of Engineering

CNM301 - Physical Network Theory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A review of the electronic theory utilized in the field of telecommunications and current industry standards governing commonly implemented physical network systems.

Prerequisites

MAT 130 or 140; PHY 125 and 126 or PHY 132 and 133 or EMT 110

DEPARTMENT:

Institute of Engineering

CNM302 - Internet of Things Networking
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to provide students with the technical knowledge and skills to build Internet of Things (IoT) systems. The course is a study of the foundational elements of radio communication, networking of the Internet of Things, how components are connected together, how they communicate, and how the process adds value to the data generated. This course will discuss security and privacy issues related to the connection of devices.

Prerequisites

CNM 241

DEPARTMENT:

Institute of Engineering

CNM320 - Introduction to Wireless Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the rapidly changing field of wireless technology, including the topics of wireless access technologies and fundamentals, network mobility management and handoff, cellular, WLAN, broadband WiMax, and mobile satellite services and applications.

Prerequisites

CNM 301

DEPARTMENT:

Institute of Engineering

CNM322 - Wireless Communications II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides a comprehensive technical foundation in IS136, GSM, CDMA, EDGE, CDMA2000 and higher generations of wireless technologies and applications.

Prerequisites

CNM 320

DEPARTMENT:

Institute of Engineering

CNM323 - Wireless Mobile Internet
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will develop a comprehensive understanding of the wireless internet describing the standard activities and the current status of wireless IP (Internet Protocol), and detailing network models and specific associated techniques.

Prerequisites

CNM 320

DEPARTMENT:

Institute of Engineering

CNM324 - Wireless Communications Security
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course content is designed to further a student's knowledge in wireless communications security while broadening their knowledge on penetration testing techniques used in wireless communications. This course will involve defending against a variety of wireless attacks and harden attack points in wireless communications. The lecture and lab are integrated each week and throughout the semester.

Prerequisites

CNM 320

DEPARTMENT:

Institute of Engineering

CNM331 - Digital Electronics
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of Boolean algebra, binary number systems, and small- and medium-scale digital integrated circuits. Emphasis is placed upon the TTL and CMOS logic families. Three hours lecture and two hours lab.

Prerequisites

CNM 118

DEPARTMENT:

Institute of Engineering

CNM332 - Microprocessors
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of advanced digital systems and their relationships to microprocessor-based systems, general microprocessor architecture, and an in-depth study of a Motorola 6800-family microprocessor. Three hours lecture and two hours lab.

Prerequisites

CNM 331

DEPARTMENT:

Institute of Engineering

CNM340 - Information Security Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of the problems, techniques, and practices associated with establishing and maintaining information security.

Prerequisites

CNM 241

DEPARTMENT:

Institute of Engineering

CNM341 - Communications Electronics I
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An introduction to communications electronics including AM transmission and reception, single-sided-band communications, and FM transmission and reception. Three hours lecture and two hours lab.

Prerequisites

MAT 140 and CNM 118

DEPARTMENT:

Institute of Engineering

CNM342 - Communications Electronics II
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A continuation of TSM 341 including pulse and digital communications, television, telephone systems, microwave communications, fiber optic systems, transmission lines, wave propagation, and antennas. Lecture 2 hours and laboratory 2 hours per week.

Prerequisites

CNM 341

DEPARTMENT:

Institute of Engineering

CNM343 - Protocol Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A lecture-lab course analyzing the operation and behavior of Internet and network protocols with emphasis on the TCP/IP suite of protocols. Two hours of lecture and two hours of lab per week.

Prerequisites

CNM 232 and 241

DEPARTMENT:

Institute of Engineering

CNM345 - Linux Server Administration
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides students with a detailed overview of the Linux operating system. Students learn to administer Linux in a network administration environment. There will be hands-on labs and practical examples to guide students through the management of users, groups, software, hardware, file systems, and the Windows operating system.

Prerequisites

CNM 233

DEPARTMENT:

Institute of Engineering

CNM351 - Principles of Information Security
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to information assurance and the study of principles and mechanisms of network security. The topics include security architecture and services, symmetric and asymmetric encryptions, IP and web security, public-key infrastructure and authentication service.

Prerequisites

CNM 135

DEPARTMENT:

Institute of Engineering

CNM352 - System Security
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of security issues associated with network operating systems. Two hours of lecture and two hours of lab per week.

Prerequisites

CNM 343 and 351

DEPARTMENT:

Institute of Engineering

CNM353 - Network Security
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the techniques for securing data networks. Two hours lecture and two hours lab per week.

Prerequisites

CNM 351

DEPARTMENT:

Institute of Engineering

CNM360 - Virtualized Enterprise Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Class involves the virtualization technologies used in enterprise networks including virtualized approaches to data storage, processing, networking, applications, and user access. Management and security of the virtualized environment is also addressed. Using virtualization technology to overcome challenges associated with building and maintaining highly scalable and resilient enterprise networks to support mission-critical applications and dynamic user demands is emphasized.

Prerequisites

CNM 233 and 343

DEPARTMENT:

Institute of Engineering

CNM380 - Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

These students, upon approval of the TSM faculty, are placed with cooperating firms to receive on-the-job training in telecommunications systems management. Work experience supervised by faculty; written reports are required. Graded pass/fail.

Prerequisites

Permission of the department chair

DEPARTMENT:

Institute of Engineering

CNM388 - International Experience in Cybersecurity and Network Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study abroad experience, which includes a short-term trip, highlighting selective historic and modern contributions to telecommunications from another country and culture. Graded pass/fail.

Prerequisites

Permission of instructor

DEPARTMENT:

Institute of Engineering

CNM397 - Undergraduate Research in Cybersecurity and Network Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Research projects arranged individually with faculty members who agree to direct the research. A written plan of research must be filed with the instructor within two weeks of the beginning of the semester. A written summary of the research performed, data obtained, and conclusions following from the work must be submitted not later than the final week of classes. May be repeated for a maximum of nine credit hours.

Prerequisites

Junior standing and permission of instructor

DEPARTMENT:

Institute of Engineering

CNM411 - Network Design, Operations and Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced study of network design, operations, and management from a technical point of view. As the capstone to the undergraduate CNM (Cybersecurity and Network Management) program, the course examines the technologies, tools, and procedures available to network managers as well as the principles of project justification and management. Students will learn to do requirements analysis, estimate cost, and calculate return on investment. Issues of efficiency, performance, reliability, risk management, disaster recovery, and security will be addressed. The course includes a major network design project.

Prerequisites

CIS 317, CNM 320, 343, and senior standing

DEPARTMENT:

Institute of Engineering

CNM421 - Mobile Satellite Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will examine elements of the architecture of mobile satellite service networks. Air interface, systems for processing and completing telephone and data calls, and the regulatory issues that hamper the creation of a viable business will be integral components of the course.

Prerequisites

CNM 320

DEPARTMENT:

Institute of Engineering

CNM440 - Information Assurance Policy and Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced study of information assurance policy and management, and security auditing. The end-to-end process of information assurance policy development, implementation, management, and audit is examined including the impact of national policy and regulation, with the objective of establishing and maintaining the confidentiality, integrity, and availability of digital information.

Prerequisites

CNM 351

DEPARTMENT:

Institute of Engineering

CNM441 - Advanced Information Security
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced topics in information assurance including computer and network forensics, malicious software (malware), and cryptography systems. Course provides the students with an advanced understanding of the vulnerabilities, threats, defenses, and incident response procedures involved in the safeguarding of modern information, networks, and computer systems.

Prerequisites

CNM 352

DEPARTMENT:

Institute of Engineering

CNM443 - Voice and WAN Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of telephone systems including PSTN architecture, private exchanges and transmission, and switching technologies. Emphasis is placed on the design and support of telephony and WAN systems in the enterprise, but regulatory and market issues are also considered. Two hours lecture and two hours lab per week.

Prerequisites

CNM 343

DEPARTMENT:

Institute of Engineering

CNM444 - Enterprise Networks
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced topics in the theory, design, and performance of computer networks. The topics include quality of service support, high-speed network architectures, traffic management, transmission systems, queuing analysis, and emerging network technologies.

Prerequisites

CNM 343 and 443

DEPARTMENT:

Institute of Engineering

CNM450 - Telecommunications Policy and Strategies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will cover social, ethical, legal, strategy, technical, and professional issues encountered in a business environment in the information age. The students will discuss telecommunications policy and regulations in the United States and other nations, and how these regulations impact the telecommunications industry.

Prerequisites

Senior standing

DEPARTMENT:

Institute of Engineering

CNM488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

CNM 241

DEPARTMENT:

Institute of Engineering

CNM489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours. This is a graded class.

Prerequisites

Approval by academic advisor

DEPARTMENT:

Institute of Engineering

CNM517 - Systems Planning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The primary focus of the course is to understand the development of a systematic planning cycle for implementing and maintaining an organization's Information Technology (IT)/Information Systems (IS). Specifically to understand the complex but direct relationship between "business planning" commonly called the "Corporate Strategic Plan (CSP)" and "systems planning" also call "Information System Plan (ISP)". Students will explore the theory and practice of IS planning through case study analysis. Students will understand how IT/IS projects and the planning involved in the projects implement the ISP.

Prerequisites

CIS 317

DEPARTMENT:

Institute of Engineering

CNM571 - Problems in Cybersecurity and Network Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Individual study and research pertaining to special problems in cybersecurity and network management.

DEPARTMENT:

Institute of Engineering

CNS: Counseling

CNS200 - Professional Communications in Human Services
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course prepares students to professionally communicate verbally and through written proposals, reports, and other documents in the human services professions.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS210 - Understanding and Evaluating Human Services Organizations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the various forms of organizations under the human services umbrella, including community organizations, government and policy organizations, and educational organizations. Emphasis will be placed on the application of organizational theories across human services professional contexts.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS319 - Professional Interpersonal Skills
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is an introduction to the principles, procedures and skills necessary for providing interpersonal clinical skills for helping professions.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS325 - Professional Orientation and Ethics in Human Services
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides a basic orientation to human services professional dispositions and ethical/legal challenges. The roles, functions, and ethical and legal responsibilities of human service professionals are explored.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS334 - Family Issues and Guidance
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides an understanding of family issues and practical skills to engage family systems in human service settings. Family cycles, system theory, communication strategies, and family guidance skills are explored.

Prerequisites

CNS 200, CNS 319, and CNS 325

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS352 - Domestic Violence and Crisis Situations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will introduce students to the theory and practice of working with individuals and families impacted by domestic violence and crisis situations. The facets associated with the historical and cultural factors, protective factors, prevention and social change movements, and trauma and recovery theories of domestic violence and crisis will be focused on during this class.

Prerequisites

CNS 200, CNS 319, and CNS 325

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS371 - Diversity and Advocacy in Human Services
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of human diversity and the roles of human services professionals in advocating with members of marginalized and oppressed groups.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS492 - Leadership and Group Skills
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Overview of group and team dynamics focusing on the development of individual leadership skills necessary to foster successful teams.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS494 - Practicum in Human Services
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students in this practicum course work directly with clients in a human service setting. Students are expected to gain an understanding of the dynamics and apply appropriate treatment strategies for clients and family systems.

Prerequisites

CNS 334, CNS 352, and CNS 492

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS495 - Internship in Human Services
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students in this internship course build on experiences and learning in CNS 494 in a human service setting. Students are expected to apply their learned skills and treatment strategies for assisting clients and family systems in an approved human services setting.

Prerequisites

CNS 494

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS615 - Behavioral Assessment and Intervention
CREDITS:

3

COURSE LEVEL:

Graduate

Description

To examine, in theory and practice, issues in behavioral management, which affect behavior change within various school/clinical settings, and to learn techniques applicable to the process of behavior in change.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS617 - Introduction to Counseling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An introductory course in the philosophy, ethical and legal issues, principles and techniques of counseling with emphasis on the organization and administration of mental health services in a variety of settings and diverse populations.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS618 - Issues in Mental Health Counseling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course designed to survey the foundations of community and agency mental health counseling. Topics such as administration and supervision of mental health systems, needs assessment and program development, education and consultation practices, as well as case management and treatment services will be covered.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS619 - Foundational Counseling Technique
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An experiential study and practice of basic relationship and conceptualization counseling techniques will be the central focus of the course. Students must complete this course with a grade of B or better in order to continue in the program. Successful completion of CNS 619 is a prerequisite for CNS 790.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS620 - Learning Theories and Applications
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will cover behavioral learning theory in detail with a heavy emphasis on respondent and operant conditioning. After completing this course, students will possess an in-depth understanding of behavioral learning theory needed for subsequent skill-based courses in behavioral assessment and intervention design.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS624 - Theories of Counseling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Critical analysis and evaluation of leading theories of counseling and their implications for practice.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS625 - Legal and Ethical Issues
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will present the legal and ethical ramifications that being a counselor in today's complex society demands. An in-depth examination of current contemporary issues will highlight the course.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS635 - Human Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A detailed study of the human life-span in terms of growth and development, foundations and dynamics of human behavior, personality, and learning.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS671 - Multicultural Counseling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A focus on pluralism, identity development, cultural awareness, and the role that cultural environment plays in the lives of people and the implications of that role in the helping process.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS676 - Clinical Diagnosis and Treatment Planning
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is designed to prepare students in the knowledge and understanding of human behavior, diagnosis, and methods in assessment. Students will gain knowledge and skill in conducting mental status exams, intake assessments, biopsychosocial histories, and risk assessments.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS677 - Instructional Assessment and Intervention
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Students will be provided the theory and skills needed to assess academic skills and instructional environments in order to formulate and implement instructional interventions in educational settings.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS679 - Advanced Practicum: Guidance and Counseling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Closely supervised practice in guidance and counseling under staff supervision in selected educational and agency settings. Open only to those possessing a Provisional Guidance Certificate or its equivalent. Must be or have been a practicing counselor.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS683 - Tests and Measurements
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

PSY683 - Tests and Measurements

Description

The selection, administration and uses of psychoeducational tests are discussed with emphasis on application in various settings, legal/ethical issues, and measurement concepts. Usually taken within first nine hours. (Same as PSY 683.)

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS684 - Problems
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

This course is designed for advanced students who want to work on special problems in the student's program of study according to individual needs. Staff supervision should be arranged prior to enrollment. Approval of instructor required. Course may be repeated for up to six hours of credit.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS686 - Career Counseling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A survey of the theories, principles, practices, and techniques of career development and career counseling.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS687 - School-Based Consultation
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Students will be introduced to the models, concepts, processes, and issues relevant to psychological consultation with special emphasis placed on consultation in educational settings. Both individual and systems-level consultation will be discussed. This course will largely focus on the necessary theoretical, conceptual, and empirical knowledge bases required to understand the delivery of effective consultation practices.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS688 - Professional School Psychology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course provides an overview and integrates theory and practice of all areas of school psychology. This will include historical evolution of school psychology, professional standards, legal and ethical issues and the roles and functions of the school psychologist.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS689 - Individual Testing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Supervised practice in the administration and interpretation of a variety of individual cognitive tests such as the WJ-III Cognitive and WISC-IV. This course is designed for individuals in the school counseling, Individual Intelligence Assessment endorsement, and school psychology programs.

Prerequisites

CNS 683 and permission of instructor

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS690 - Advanced Individual Testing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Supervised practice in the administration and interpretation of a variety of individual cognitive, memory, and adaptive tests such as the KABC-II, WAIS-III, UNIT, SIB-R, and BASC-II. This class is designed solely for school psychology students and those school counselors seeking the Individual Intelligence Assessment Endorsement.

Prerequisites

CNS 689 and permission of instructor

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS692 - Group Counseling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An experiential course in the dynamics of group behavior. The student will participate in an encounter-type group experience as well as being introduced to theory and techniques of group counseling. In addition, group guidance procedures are emphasized to include meaning, purposes, scope, and methods. Strongly recommended to be taken within the first 12 hours of course work.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS694 - Advanced Counseling and Supervision
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An extension of CNS 619 whereby students will study and apply advanced counseling techniques and basic supervisory skills.

Prerequisites

CNS 619

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS695 - Advanced Group Counseling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An extension of CNS 692. An advanced study in group counseling, research and technique application.

Prerequisites

CNS 692

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS696 - Advanced Research
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Emphasis on individual research for advanced students in counseling.

Prerequisites

approval of advisor and consent of instructor

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS697 - Organization and Administration of Personnel Services
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The selection, organization and implementation of personnel services. Analysis of programs, staffing and relationships of programs will be emphasized.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS698 - Perspectives of Gifted Individuals for Mental Health Practitioners
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will help mental health practitioners better understand the ways gifted individuals perceive their world and how, due to their rich cognitive functioning, their perceptions have a profound impact on their emotions, their coping, and their healthy development.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS699 - Survey of Effective School Counseling (K-12)
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides knowledge and skills to be an effective school counselor for grades P-12. In particular, the American School Counselor's Association (ASCA) National Model of Foundations, Delivery, Management and Accountability will be stressed as well as the utilization of ASCA's Student Skills of Academic Development, Career Development, and Personal/Social Development. In addition, Kentucky learning goals and Kentucky's ILP's will be discussed and integrated into the course.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS710 - Counsel Children and Adolescents
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to provide students with a theoretical foundation and working knowledge of contemporary interventions for children and youth. Specific childhood issues and treatment strategies will be explored. Material in the course is aimed at helping students develop basic skills necessary for effectively counseling and communicating with children and youth. Students are expected to be actively involved in their learning and are invited to share their knowledge and personal experiences with the class. May be repeated for a maximum of nine hours.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS720 - Elementary School Counseling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides professional knowledge, skills, and practices to be an effective school counselor in the elementary school setting. It focuses on theory, techniques, and proficiency that are developmentally appropriate to promote the academic, career, and personal/social development of all P-5 grade students.

Prerequisites

CNS 617

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS722 - Substance Use and Addictions Counseling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This is a graudate course that provides counselors and other human service workers with an overview of the addictive process. Theories of addiction counseling and application of these theories will comprise a significant part of this course, particulary with how they apply to work with individuals, couples, families, and groups. Co-occuring disorders, such as process addictions and mental illness will also be addressed. Students will develop conceptual knowledge, practical skills, and self-awareness concerning the etiology of addiction, assessment strategies, wellness strategies for facilitating optimal development and preventing clinician burn-out, and diagnosis and treatment planning. This will be accomploshed through assigned readings, seminar discussions, videotapes, lectures, case presentations, guest speakers, and student assignments.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS725 - Middle/Secondary School Counseling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course prepares 5-12 School Counselors with professional knowledge, skills, and proactices necessary to promote the academic, career and personal/social development of all 5-12 students. Emphasis is placed on skills, theory, and techniques that are developmentally appropriate for middle and secondary school settings focusing on the American Shool Counselor's Association (ASCA) National Model of Foundations, Delivery, Management and Accountability and on ASCA's Student Skills of Academic Development, Career Development, and Personal/Social Development as they pertain to the developemental level of middle and secondary school students.

Prerequisites

CNS 617 and 720

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS734 - Marriage, Couples, and Family Counseling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A graduate course that provides counselors and other human service workers with an overview of the processes and theories involved with counseling couples and families. The focus of this course is to prepare students to think systemically and to learn about family concepts, dynamics, theories, and techniques. This will be accomplished through assigned readings, seminar discussions, small group work, role plays, lectures, case presentation, audiovisual materials, guest speakers, and student assignments.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS746 - Wellness and Prevention Approaches
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course integrates the preventive origins of counseling with other models of prevention. The teaching and learning approach will balance between understanding wellness and prevention conceptually and studying some illustrations of wellness and preventive practices that hold promise for nhancing the counseling field. It is anticipated that students will gain a better understanding of how evolving theories of prevention can be utilized to help individuals and groups avert specific psychological, educational, and health problems via "before-the-fact" preventive actions. As a hand-on learning tool, students will identify an area of interest as a focal point for their development of a prevention model that is of special interest to them. The course will also address ethical and professional issues and multicultural issues related to prevention work.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS748 - Expressive Activities Counseling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed as an exploration of play and activity counseling theories and interventions applicable to counselors working with a variety of client concerns in school and community counseling settings. The course emphasizes the development of play and activity counseling skills through didactic and experiential activities.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS752 - Trauma and Crisis Counseling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An examination of diverse trauma and crisis situations used by counselors to assist individuals, groups, and organizations experiencing crisis and/or trauma. Course will include an overview of roles and responsibilities of counselors in crisis intervention. Assessment and case management for crisis and traumatic situations in educational, community agency, medical, emergency management, and human resources settings will be explored.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS760 - Eating Disorders and Body Image Counseling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course provides an overview of the etioogy, diagnosis and treatment of eating disorders, including anorexia nervosa, bulimia, and binge eating disorder. Treatment is considered from a team-based approach to include psychological, cognitive, and physiological processes. Obesity and its relationship with eating disorders as well as self-image will also be addressed.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS790 - Practicum
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Closely supervised practice in an appropriate professional setting. See program handbook for criteria for site selection and supervision requirements. Arrangements for the practicum must be made a semester in advance. Also, the student must be admitted to the program. Students must successfully complete CNS 790 with a grade of A orB before being allowed to continue in their program. May be repeated for a maximum of six hours of credit.

Prerequisites

CNS 619 and 624

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS794 - Internship I
CREDITS:

3 - 6

COURSE LEVEL:

Graduate

Description

Designed to provide the student with 300 hours (600 hours for school psychology interns) of professional experience in an appropriately supervised mental health or school setting. Weekly supervision requirements will be provided by faculty and on-site professionals, and interns are expected to apply the knowledge and skills previously acquired in their program. Course may be repeated for a maximum of six hours of credit. Students must successfully complete CNS 794 with a grade of A or B before being allowed to take CNS 795. Note: School Psychology students must earn a passing score on the School Psychology Praxis exam before the internship can begin.

Prerequisites

CNS 790 with a grade of A or B and instructor permission

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS795 - Internship II
CREDITS:

3 - 6

COURSE LEVEL:

Graduate

Description

A continuation of CNS 794, culminating in a minimum of 600 contact hours at the internship setting for the total internship experience and will include the capstone oral defense. Course may be repeated for a maximum of six hours of credit. Students must successfully complete CNS 795 with a. grade of *A or B* before being allowed to continue in program or graduate.

Prerequisites

CNS 794 with a grade of A or B

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS796 - Advanced Internship I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Designed to provide a minimum of 300 hours of intensive counseling experience conducted in a setting as similar as possible to that in which the intern subsequently intends to seek employment. This class is designed for students who want to seek a second counseling degree. Weekly supervision requirements will be provided by faculty and on-site professionals; and interns are expected to apply the knowledge and skills previously acquired in their programs. Course may be repeated for a maximum of six credit hours.

Prerequisites

CNS 795 with a grade of A or B

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS797 - Advanced Internship II
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

A continuation of CNS 796, culminating in a minimum of 600 hours at the internship setting for the total internship experience and will include the capstone oral defense. Course may be repeated for a maximum of six hours of credit.

Prerequisites

CNS 796 with a grade of A or B

DEPARTMENT:

Educational Studies, Leadership and Counseling

CNS798 - Specialty Study
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to enable the student, with the supervision of his/her graduate faculty committee, to select a problem directly related to the student's area of concentration, survey the research literature, collect research data and prepare to write the research paper.

DEPARTMENT:

Educational Studies, Leadership and Counseling

COM: Organizational Communication

COM100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Organizational Communication and Leadership

COM131 - Introduction to Interpersonal Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Communication in an interpersonal environment. Topics studied include interpersonal perception, verbal and nonverbal communication, conflict reduction, and language and its use. Will not satisfy requirements for organizational communication major or minor.

DEPARTMENT:

Organizational Communication and Leadership

COM160 - Managing Public Speaking Anxiety
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This course assists highly apprehensive students in developing strategies to manage public speaking anxiety. The communication needs of each student are identified and individualized action plans are developed. Grade pass/fail.

Corequisites

COM 161

DEPARTMENT:

Organizational Communication and Leadership

COM161 - Introduction to Public Speaking
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Organization and presentation of ideas through participation in frequent speech activities. Students present speeches to inform, solve problems and persuade. Communication needs of the individual students are considered and guidance is given by the instructor.

Corequisites

COM 160

DEPARTMENT:

Organizational Communication and Leadership

COM201 - Communication Foundations and Theory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Theoretical constructs of the speech communication discipline. A survey from classical through contemporary perspectives of human discourse. Focus is on the development of the major content areas of the field.

Corequisites

COM 161

DEPARTMENT:

Organizational Communication and Leadership

COM215 - Introduction to Sports Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the theories and processes of sports communication. Surveys the communication processes of sport fans, coaches, athletes, teams, organizations, and society. Application of these theories and processes to careers in sports communication, research, and administration is emphasized.

DEPARTMENT:

Organizational Communication and Leadership

COM260 - Communication Ethics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the ethical challenges and responsibilities of being a competent communicator in a diverse and changing world. Students will learn to apply ethical theory and reasoning to a variety of communication processes and contexts.

DEPARTMENT:

Organizational Communication and Leadership

COM261 - Debate and Advocacy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Review and application of debate and advocacy skills including the ability to develop, organize, present, refute, and analyze well-reasoned arguments. Appropriate for individuals seeking preparation for those professions (e.g., law, business, teaching, ministry) where advocacy of ideas is essential.

DEPARTMENT:

Organizational Communication and Leadership

COM315 - Coaching as Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course explores the craft of sports coaching as a communication enterprise. Examines how communication variables and techniques differ as coaches communicate with athletes, recruits, other coaches, administrative personnel, families, and other external constituents. Task, career, relational, and generative contexts of coach communication are examined.

DEPARTMENT:

Organizational Communication and Leadership

COM331 - Interpersonal Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

In-depth study of communication and interpersonal relations.

DEPARTMENT:

Organizational Communication and Leadership

COM340 - Intercultural Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed to explore communication principles from the viewpoint of different western and non-western cultures.

DEPARTMENT:

Organizational Communication and Leadership

COM345 - Diversity, Communication, and the Workplace
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of the unique communication challenges, processes and strategies that result from diversity markers such as age, race, gender, sexual orientation, social class, physical ability, and body image in organizational settings.

DEPARTMENT:

Organizational Communication and Leadership

COM353 - Team Communication and Leadership
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of communication principles and leadership strategies for effective teamwork. Focus is on communication and leadership skills that produce team cohesion, synergy, and productivity. Communication theory is applied to analyze leadership roles in team projects, decision-making, and conflict management.

DEPARTMENT:

Organizational Communication and Leadership

COM361 - Career Presentation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of presentation techniques within business and professional contexts. Presentations made to staff, clients, and constituents, as well as conference and keynote addresses, will be studied and practiced. Students will create and deliver presentations tailored to their individual career objectives.

Prerequisites

COM 161

DEPARTMENT:

Organizational Communication and Leadership

COM367 - Communication and Critical Thought
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course explores the relationship between communication and critical thought. Based on the rhetorical traditions of oral discourse, students will explore argumentation, negotiation, reason, fallacy, language, and evaluation of information as each relates to critical thinking.

DEPARTMENT:

Organizational Communication and Leadership

COM372 - Communication in Educational Environments
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Special communication needs of teachers of any discipline. Students develop an understanding of communication concepts applicable to the classroom as well as communication skills useful in other aspects of educational environments. Course content is developed through readings, lectures, discussions, structured activities, and classroom visitations; provides the teacher an experiential and a cognitive understanding of the role of communication in the educational environment.

DEPARTMENT:

Organizational Communication and Leadership

COM380 - Organizational Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of concepts, theories, and processes of human communication in organized workplaces. Emphasis is given to the nature and function of human communication in different organizational structures and designs.

DEPARTMENT:

Organizational Communication and Leadership

COM384 - Communication Skills for Professionals
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of applied communication skills for professionals in for-profit and non-profit organizations. Emphasis is given to oral and written communication techniques for providing performance feedback, conducting interviews, managing meetings, delivering training, promoting strategy and change, maintaining organizational identity and image, and responding to organizational crises.

DEPARTMENT:

Organizational Communication and Leadership

COM386 - Corporate Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the strategic communication processes that manage the dynamic needs of internal and external stakeholders. Examines how systemic discourse among corporations and their diverse stakeholders facilitates survival in the competitive business environment. Corporate communication processes for managing reputation, sustaining social responsibility, engaging employees, navigating change, and resolving organizational crises are examined.

DEPARTMENT:

Organizational Communication and Leadership

COM390 - Communication Research
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the quantitative and qualitative research methods used to study communication. Emphasis is placed on familiarity with scholarly publications, understanding various research methodologies, and critique of basic and applied research findings. The connection between theory, research, and decision-making is highlighted.

DEPARTMENT:

Organizational Communication and Leadership

COM401 - Contemporary Issues in Communication
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Studies of interest to faculty and students (e.g., effective mentoring skills, communication and the family, health communication, gender issues). A different subject is examined each time the course is offered, with the topic being announced one semester in advance. Variable credit is assigned on the basis of instruction hours (15-20 hours per unit of credit). Enrollment is open to juniors and seniors and may be repeated once for a total of six hours.

DEPARTMENT:

Organizational Communication and Leadership

COM422 - Communication and Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Examines how technology impacts communication processes in personal and organizational contexts. This course explores theories, concepts, and research associated with computer-mediated communication, mobile devices, social networking, and virtual teams. Students will develop competencies related to effective interpersonal and organizational communication via technology.

DEPARTMENT:

Organizational Communication and Leadership

COM439 - Conflict and Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Examines conflict processes as communication phenomena. Explores theories of conflict communication and develops competencies for a range of professional and interpersonal contexts by applying theory to practice.

DEPARTMENT:

Organizational Communication and Leadership

COM461 - Persuasive Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course explores theories and concepts of persuasive communication strategies. Emphasis is placed on examining persuasive strategies used in attitude change. Ethical problems related to persuasion, audience analysis and dialogue, rationality, and the free marketplace of ideas are also explored. Students develop and present a persuasive campaign.

Prerequisites

COM 161

DEPARTMENT:

Organizational Communication and Leadership

COM488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Organizational Communication and Leadership

COM489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of chair

DEPARTMENT:

Organizational Communication and Leadership

COM510 - Internship
CREDITS:

3 - 6

COURSE LEVEL:

Undergraduate

Description

A course designed for students to get experience in the application of theory to practical situations. Businesses and organizations selected to participate draw from qualified students with skills in organizational communication. May be repeated for a total of six hours. Graded pass/fail.

Prerequisites

Senior standing

DEPARTMENT:

Organizational Communication and Leadership

COM530 - Seminar in Interpersonal Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the contemporary approaches to interpersonal communication with opportunities for practical application of those approaches in diverse interpersonal situations.

DEPARTMENT:

Organizational Communication and Leadership

COM553 - Advanced Team Communication and Leadership
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of theory, research, and current practices relevant to the study of team communication and leadership. Students will examine communicative behavior of productive teams and effective leaders, and participate in team building exercises.

DEPARTMENT:

Organizational Communication and Leadership

COM577 - Organizational Learning and Dialogue
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Theories and tools of dialogue and organizational learning are applied to contemporary workplace practices. Prerequisite: COM 385.

Prerequisites

COM 380

DEPARTMENT:

Organizational Communication and Leadership

COM580 - Advanced Organizational Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of theory and research relevant to the study of organizational communication. Students will examine how communication processes shape and reshape the activities of organizing within and between organizations.

Prerequisites

75 hours earned and COM 380

DEPARTMENT:

Organizational Communication and Leadership

COM594 - Directed Individual Study in Communication Theory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to meet the needs of individuals and groups who wish to explore topics not covered in other organizational communication courses or to do in-depth study of an issue introduced in another course. A proposal for study must be approved by the instructor during the first week of classes. General areas of study from which specific topics can be drawn include interpersonal communication, small group communication, and communication within organizations. May be repeated for a maximum of six hours. Graded pass/fail.

DEPARTMENT:

Organizational Communication and Leadership

COM595 - Senior Seminar in Organizational Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Capstone course for majors and minors in organizational communication surveys theoretical and applied content areas within the discipline. Requirements include a major paper, presentation, and a one-hour oral exam. Graded pass/fail.

DEPARTMENT:

Organizational Communication and Leadership

COM603 - Seminar in Communication Variables
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Variables affecting communication including perception, language, attitudes and cognitive processes. Research related to each variable will be examined.

DEPARTMENT:

Organizational Communication and Leadership

COM610 - Internship
CREDITS:

3 - 6

COURSE LEVEL:

Graduate

Description

A course designed for students to get experience in the application of theory to practical situations. Businesses and organizations selected to participate draw from qualified students with skills in organizational communication. May be repeated for a total of six hours. Graded pass/fail.

DEPARTMENT:

Organizational Communication and Leadership

COM622 - Communication Technology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth study of how new communication technologies affect traditional processes relevant to organizational life. Special emphasis is given to theories, research, and applications of computer-mediated communication, social media, group decision support systems, and virtual teams in organizations.

DEPARTMENT:

Organizational Communication and Leadership

COM630 - Seminar in Interpersonal Communication
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the contemporary approaches to interpersonal communication with opportunities for practical application of those approaches in diverse interpersonal situations.

DEPARTMENT:

Organizational Communication and Leadership

COM631 - Interpersonal Communication at Work
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A survey of theory, research, and practice relevant to the study of contemporary approaches to interpersonal communication in organizational contexts. Students will examine individual communicative behaviors in the workplace and the impact those behaviors have on co-workers, superiors, and subordinates, and organizational life.

DEPARTMENT:

Organizational Communication and Leadership

COM633 - Communication Ethics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced study to the ethical challenges and responsibilities of being a competent communicator in a diverse and changing world. Students will learn to apply ethical theory and reasoning to a variety of communication processes and contexts.

DEPARTMENT:

Organizational Communication and Leadership

COM635 - Customer Communication
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A survey of communication theories, research and strategies for improving customer service and relations. Emphasis will be placed on analyzing customer communication processes, diagnosing communication breakdowns, resolving conflict, improving customer feedback, managing customer relations, and creating an organizational culture of customer service.

DEPARTMENT:

Organizational Communication and Leadership

COM636 - Health Communication
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A comprehensive study of health communication in varied contexts ranging from intrapersonal and interpersonal to organizational and mediated. This course introduces students to theoretical frameworks guiding current scholarship in health communication. Students will also improve their own communication competence in health care contexts.

DEPARTMENT:

Organizational Communication and Leadership

COM637 - Positive Communication
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced study of communication theories and behaviors that lead to and perpetuate positive emotions, and to help students thrive in every facet of life.

DEPARTMENT:

Organizational Communication and Leadership

COM639 - Seminar in Conflict Resolution
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Designed to illustrate the central role of communication in resolving conflict within various organizational entities. The course will focus on conflict resolution skills required in such environments as management and labor, public administration, families and education. A particular area of concentration will be selected each semester.

DEPARTMENT:

Organizational Communication and Leadership

COM640 - Seminar in Intercultural Communication
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Analysis of theories and research in intercultural communication. Application of theories and research to contemporary intercultural issues in organizations.

DEPARTMENT:

Organizational Communication and Leadership

COM644 - Graduate Cooperative Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

May be repeated for a maximum of six credits. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Organizational Communication and Leadership

COM653 - Advanced Team Communication and Leadership
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Survey of theory, research, and current practices relevant to the study of team communication and leadership. Students will examine communicative behavior of productive teams and effective leaders, and participate in team building exercises.

DEPARTMENT:

Organizational Communication and Leadership

COM661 - Theories of Persuasion and Argumentation
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Classical and modern theories of persuasion and argumentation. Behavioral theory and research are examined and the effects of various forms of argument and attitude change are studied. Ethical standards of persuasion and argumentation are explored.

DEPARTMENT:

Organizational Communication and Leadership

COM672 - Communication in Instructional Environments
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Communication in a variety of instructional contexts with focus on introductory courses at the college level. Emphasis is placed on the literature, philosophies and theories concerning communication instruction.

DEPARTMENT:

Organizational Communication and Leadership

COM673 - Organizational Training and Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Specific problem areas in communication structures within particular organizations are identified. A concentrated examination is made of the areas of assessment, diagnosis, prescription, intervention and evaluation of communication problems and the training and development opportunities resulting from those problems within organizations.

DEPARTMENT:

Organizational Communication and Leadership

COM677 - Organizational Learning and Dialogue
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Explores organizations as systems of learning based on productive alternative forms of human communication. Theories and tools of dialogue and organizational learning are applied to contemporary workplace practices.

DEPARTMENT:

Organizational Communication and Leadership

COM680 - Advanced Organizational Communication
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Survey of theory and research relevant to the study of organizational communication. Students will examine how communication processes shape and reshape the activities of organizing within and between organizations.

DEPARTMENT:

Organizational Communication and Leadership

COM682 - Seminar in Crisis Communication
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A comprehensive study of crisis communication in organizations. From preparation and planning to post-crisis recovery, this class helps students develop a thorough understanding of communication processes during each phase of organizational crisis as well as different types of crises that occur within organizations. Emphasis is placed on how communication functions to manage and resolve organizational crisis.

DEPARTMENT:

Organizational Communication and Leadership

COM684 - Complexity and Organizational Communication
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course examines the nature, function and role of complexity thinking in organizational communication theory and practice. As such, the course offers an alternative to mainstream and conventional assumptions about organizations and communication.

DEPARTMENT:

Organizational Communication and Leadership

COM685 - Seminar in Organizatonal Communication
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Detailed studies in organizational communication of interest to faculty and students. A contemporary topic, to be announced one semester in advance, is examined each time the course is offered. Past topics include consulting, subordinate-superior relations, gender communication, mentoring and intercultural communication. The course may be repeated for a total of nine hours.

DEPARTMENT:

Organizational Communication and Leadership

COM686 - Communication Apprehension and the Workplace
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An introduction to communication apprehension, its impact on the individual and the organization, and strategies for managing it.

DEPARTMENT:

Organizational Communication and Leadership

COM687 - Leadership Communication
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced study of the strategic communication processes and skills of leading in diverse organizational contexts. The course emphasizes self-analysis and the development of leadership communication skills through the application of related theories.

DEPARTMENT:

Organizational Communication and Leadership

COM689 - Philosophy and Future of Organizational Communication
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A survey of the development of organizational communication from early communication thinkers to contemporary individuals who have contributed theory and influenced the discipline.

Prerequisites

COM 680

DEPARTMENT:

Organizational Communication and Leadership

COM690 - Research Methods in Organizational Communication
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Review and application of research methods used in the study of communication variables.

DEPARTMENT:

Organizational Communication and Leadership

COM692 - Research Practice
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Application of research methods used to study communication variables. Miniature thesis required.

Prerequisites

COM 690

DEPARTMENT:

Organizational Communication and Leadership

COM693 - Readings in Communication Research
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Students read 4,000-5,000 pages of research in a particular area of interest. Usually the product is a research paper written in a publishable format. Permission of the graduate advisor is required prior to enrollment. Graded pass/fail.

Prerequisites

Permission of the graduate advisor is required prior to enrollment

DEPARTMENT:

Organizational Communication and Leadership

COM694 - Directed Individual Study in Organizational Communication
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

The student has the opportunity to pursue specific areas of research under the supervision of the participating faculty member. Particular expectations are negotiated between the student, department and faculty member. May be repeated once for a maximum of six hours. Graded pass/fail.

DEPARTMENT:

Organizational Communication and Leadership

COM698 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Organizational Communication and Leadership

COM699 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Organizational Communication and Leadership

COM887 - Seminar in Organizational Leadership
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced study of the organizational challenges facing leaders in the 21st century. Requisite knowledge and communication competencies for effective, contemporary leadership are reviewed. The course emphasizes how leaders navigate systemic complexity, collaborative learning, and dialogue among constituents to continuously guide organizations through these challenges. Special emphasis is placed on educational and nonprofit organizations.

DEPARTMENT:

Organizational Communication and Leadership

CRJ: Criminal Justice

CRJ100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only on transitions course will count toward graduation. Introductory seminar for all first semester criminal justice majors. Graded pass/fail.

DEPARTMENT:

Community Leadership and Human Services

CRJ140 - Introduction to Criminal Justice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of the criminal justice system as a critical component of national, state, and local government, including the relationships with legislative, executive, and judicial branches at the domestic and international levels. The active role of citizens in reporting crime, serving as jurors, and electing district attorneys, judges, and sheriffs are explained. Criminal behaviors, ethics, and constitutional protections in the Bill of Rights are addressed. The history, composition and functions of police, prosecutors, judges, courts, corrections and juvenile justice are covered. Note: This course, with a grade of C or higher, is a prerequisite to all other courses in criminal justice.

DEPARTMENT:

Community Leadership and Human Services

CRJ220 - Law Enforcement
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Philosophy, theory, and processes of policing at the federal, state and local levels.

Prerequisites

CRJ 140 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ240 - Corrections
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Philosophy, theory and processes of adult and juvenile corrections at the federal, state and local levels.

Prerequisites

CRJ 140 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ300 - Crime and Criminals
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Examines various forms of juvenile and adult criminal behavior with particular attention to the psychological, social and educational needs and characteristics of offenders and the role of law enforcement and correctional officers in dealing with offenders.

DEPARTMENT:

Community Leadership and Human Services

CRJ305 - Internship
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Supervised internship placement in a criminal justice agency. Only for juniors and seniors completing an area, major, or minor in criminal justice. May be repeated for a maximum of six credit hours. Graded pass/fail.

Prerequisites

CRJ 140 with a minimum grade of C, one from CRJ 220, 240, 320, 355 and six hours additional CRJ with a minimum grade of C; junior or senior standing; permission from agency after background check and permission of instructor

DEPARTMENT:

Community Leadership and Human Services

CRJ320 - Juvenile Justice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of juvenile justice systems and juvenile delinquency in the United States. This course traces the evolution of a separate justice system for children and considers the causes, prevention and treatment of delinquency, with particular attention devoted to sources of juvenile crime and to characteristics of juvenile offenders. It is recommended to take CRJ 140 prior to CRJ 320.

DEPARTMENT:

Community Leadership and Human Services

CRJ325 - Criminal Justice Ethics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the application of ethical decision-making within the field of criminal justice with special attention to police deviance, judicial misconduct, control of inmates in correctional facilities, and other ethical dilemmas within the field.

Prerequisites

CRJ 140 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ333 - Criminalistics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the application of scientific knowledge, instruments and techniques to the investigation of crime. Includes discussion of the recognition, identification, examination and evaluation of physical evidence through scientific means.

Prerequisites

CRJ 140 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ346 - Criminal Investigation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Techniques of evidence collection and preservation, modus operandi, interviews and interrogations, report writing, and preliminary and follow-up investigations.

Prerequisites

CRJ 140 and 220 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ355 - Security in Business and Industry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of planning, development, organization and management of modern security systems. Discusses the processes of personnel, property and information security. Includes major concepts, legal aspects, principles and practices of risk assessment, loss control, prevention and related functions of protective services. An approved business and occupational safety and health elective.

Prerequisites

CRJ 140 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ365 - Interviewing and Interrogation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the theory, nature, methods, and principles of interviewing and interrogation in criminal justice with discussion and practical exercises focusing on eliciting information from witnesses and criminal suspects and case documentation.

Prerequisites

CRJ 140 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ385 - Violent Crime
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A comprehensive examination of the nature and extent of violent crime in society, with specific consideration given to the workplace, family and other intimate relationships, and schools. Particular attention is given to the criminal justice system's response to the offender and victim in these situations.

Prerequisites

CRJ 140 with a grade of C or better and CRJ 300 as pre- or corequisite with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ400 - Applied Criminal Justice Research
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A writing-intensive course that is an overview of applied criminal justice research methods and procedures. Special emphasis will be placed on ethics in criminal justice research, evaluation of crime-prevention programs, and a review of various specific, consequential studies in criminal justice. Prerequisites: MAT 135 (or equivalent) and CSC 199 (or equivalent). CRJ 140, 300, and ENG 105 with grades of C or higher. Starting in August 2014, students must also have passed any one of the following writing courses: ENG 204, 205, 224, or 324.

Prerequisites

STA 135 (or equivalent) and CSC 199 (or equivalent). CRJ 140, 300, and ENG 105 with grades of C or higher and one of the following writing courses: ENG 204, 205, 224, or 324

DEPARTMENT:

Community Leadership and Human Services

CRJ425 - Terrorism
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The history, philosophy, various forms and definitions of terrorism are examined. The nature and causes of domestic and international terrorism, the possible means for prevention, and criminal justice system of governmental response to terrorist acts, and current issues in terrorism are explored.

Prerequisites

CRJ 140 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ442 - Probation and Parole: Community Corrections
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of community alternatives to prison confinement. Examination of halfway houses, work release and other community-based approaches to corrections.

Prerequisites

CRJ 140 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ445 - Criminal Justice Diversity
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of issues related to age, culture, disability, ethnicity, gender, national origin, race, religion, sexual orientation, and military veteran status as they apply to criminal incidents, victims, offenders, and criminal justice professionals.

Prerequisites

CRJ 140 with a grade of C or higher

DEPARTMENT:

Community Leadership and Human Services

CRJ447 - Business and Political Crime
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Concepts, policies and issues relating to crimes in business, industry and government. Includes discussions of the impact of white-collar and organized crime, terrorism, fraud, corruption, and other forms of official and unofficial deviance. An approved business elective.

Prerequisites

CRJ 140 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ448 - Topical Seminar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Inquiry into selected topics and problems in the field of criminal justice. May be repeated, provided topics vary.

Prerequisites

CRJ 140 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ455 - Police and Community Relations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Individual and collective study of relationships between police officers, agencies and the public. Exploration of areas of conflict and cooperation.

Prerequisites

CRJ 140 and 220 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ470 - Institutional Corrections
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Examination of the history, roles, structures, and functioning of institutional corrections within the United States. Emphasis is placed on understanding the philosophies, elements, structures, and programs that shape current institutional operations and their impact on offenders, staff, and the community.

Prerequisites

CRJ 140 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ475 - Organized Crime
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Historical dimensions of organized crime and its control. Examination of emerging groups of ethnic and international organized crime and the statutes and techniques used to combat criminal organizations.

DEPARTMENT:

Community Leadership and Human Services

CRJ488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

CRJ 140 with a grade of C or better, six hours of CRJ courses, and permission of chair

DEPARTMENT:

Community Leadership and Human Services

CRJ489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

CRJ 140 with a grade of C or better, six hours of CRJ courses, and permission of chair

DEPARTMENT:

Community Leadership and Human Services

CRJ490 - Fish & Game Law
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

NLS490 - National Recreation Sites and Rural Tourism Traveling Workshop

Description

This course covers the protections of biodiversity through state and federal wildlife laws. Historical antecedents and common law roots for federal and state wildlife policy and laws will be investigated. Wildlife crime will be examined in detail. (same as NLS 490)

DEPARTMENT:

Community Leadership and Human Services

CRJ495 - Special Problems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Individual study and projects designed to meet the needs of each student. Restricted to seniors majoring or minoring in criminal justice. Must have a 3.0 overall GPA and a 3.0 in CRJ courses taken for the major or minor.

Prerequisites

Completion of all CRJ core courses with a grade of C or better for the major except 499 or 15 hours of CRJ courses with a grade of C or better in the minor

DEPARTMENT:

Community Leadership and Human Services

CRJ499 - Senior Seminar in Criminal Justice
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Capstone course for all criminal justice majors. The course includes an examination of career opportunities, including public and private sector employment, and graduate and professional education. Students will discuss the job search process, consider interviewing techniques, and preprae a professional portfolio. Mastery of criminal justice curriculum will be assessed.

Prerequisites

senior standing and completion of CRJ 100T and CRJ 140 and at least 18 addtional hours of criminal justice courses with a grade of C or better in each class. An overall GPA of 2.5 or better is required

DEPARTMENT:

Community Leadership and Human Services

CRJ505 - Criminal Justice Administration
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Principles of administration, organization, leadership and management are examined as they apply to the various components of criminal justice.

Prerequisites

CRJ 140 with a grade of C or better, 220, and 240

DEPARTMENT:

Community Leadership and Human Services

CRJ515 - Drugs, Crime, and Justice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will give an overview of drug prevention and intervention strategies, with heavy emphasis on how they relate to law enforcement, courts, and corrections. The course will examine the impact of drug abuse on the justice system, the law as it relates to these offenders, and programs and methods of dealing with drug offenders in the justice system. In addition, the course will analyze current justice policies and future trends in addressing the drug problem.

Prerequisites

CRJ140 with a minimum grade of C

DEPARTMENT:

Community Leadership and Human Services

CRJ520 - Mass and Serial Murder
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An analysis of mass and serial murder primarily in the United States. Theoretical explanations for the murders and the development of the offenders will be discussed. Additional topics include the prevalence of these offenses, how they are studied and understood by both researchers and law enforcement, methods of prevention of the offenses and the correction and treatment of the offenders.

Prerequisites

CRJ 140 and 300 both with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ522 - Issues in Policing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Examines police function, history, operational strategies, ethics, deviance, use of force, policy, accreditation, accountability, and other contemporary issues.

Prerequisites

CRJ 140 and 220 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ533 - Juvenile Delinquency
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Nature and extent of delinquency; competing explanatory theories; evaluation of programs for prevention and control; role of police, detention, juvenile courts and corrections.

DEPARTMENT:

Community Leadership and Human Services

CRJ537 - Juvenile Justice Procedures
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The organization, function and jurisdiction of juvenile agencies; police referrals, preventive techniques and youth divisions; juvenile court procedures and juvenile statutes.

Prerequisites

CRJ 140 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ544 - Constitutional and Legal Issues in Criminal Justice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A comprehensive examination of the constitutional law that affects criminal justice professionals, citizens, suspects, and incarcerated individuals, with considerable attention given to both civil and criminal legal issues surfacing in the criminal justice field. Topics will include due process, search and seizure, self-incrimination, bail, and right to counsel and a fair trial.

Prerequisites

CRJ 140 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ555 - Crime Prevention
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This interactive seminar will deal with crime prevention strategies for law enforcement, business/industrial security and other criminal justice personnel. Issues of situational crime prevention, environmental design, physical security measures, defensible space, opportunity theories, crime displacement, rational choice theory and selected crime prevention studies will be explored. International issues and extensive case studies will be included.

Prerequisites

CRJ 140 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ573 - Victimology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Analysis of major perspectives on victimization. Emphasis on patterns of victimization, the role of victims in the generation of crime, and the experience of the victim in the criminal justice system.

Prerequisites

CRJ 140 and 300 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ575 - Comparative Criminal Justice System
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of non-American criminal justice systems. Specific areas of comparison will include but not be limited to, the police, judiciary, and criminal corrections of selected foreign systems.

Prerequisites

CRJ 140 with a grade of C or better

DEPARTMENT:

Community Leadership and Human Services

CRJ580 - Mental Illness: A Criminal Justice Perspective
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will examine the impact of mental health issues on the justice system, with special emphasis given to how the criminal justice system interacts with and intervenes with individuals with mental illness, including those who are members of at-risk groups such as persons of color, veterans, elders, juveniles, females, and the homeless.

Prerequisites

CRJ 140 with a minimum grade of C

DEPARTMENT:

Community Leadership and Human Services

CRJ605 - Seminar in the Administration of Justice
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An overview and evaluation of policies and practices in the administration of justice.

DEPARTMENT:

Community Leadership and Human Services

CRJ610 - Seminar in Criminal Justice Issues
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An assessment of selected issues in the justice system and the development of strategies to meet those challenges.

DEPARTMENT:

Community Leadership and Human Services

CRJ615 - Drugs, Crime, and Justice
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will give an overview of drug prevention and intervention strategies, with heavy emphasis on how they relate to law enforcement, courts, and corrections. The course will examine the impact of drug abuse on the justice system, the law as it relates to these offenders, and programs and methods of dealing with drug offenders in the justice system. In addition, the course will analyze current justice policies and future trends in addressing the drug problem in the justice system.

DEPARTMENT:

Community Leadership and Human Services

CRJ620 - Mass and Serial Murder
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An analysis of mass and serial murder primarily in the United States. Theoretical explanations for the murders and the development of the offenders will be discussed. Additional topics include the prevalence of these offenses, how they are studied and understood by both researchers and law enforcement, methods of prevention, methods of tracking by law enforcement, and potential correction and treatment of the offenders.

DEPARTMENT:

Community Leadership and Human Services

CRJ622 - Issues in Policing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Examines police function, history, operational strategies, ethics, deviance, use of force, policy, accreditation, accountability, and other contemporary issues.

DEPARTMENT:

Community Leadership and Human Services

CRJ633 - Juvenile Delinquency
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Nature and extent of delinquency; competing explanatory theories; evaluation of programs for prevention and control; role of police, detention, juvenile courts and corrections.

DEPARTMENT:

Community Leadership and Human Services

CRJ637 - Juvenile Justice Procedures
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The organization, function and jurisdiction of juvenile agencies; police referrals, preventive techniques and youth divisions; juvenile court procedures and juvenile statutes.

DEPARTMENT:

Community Leadership and Human Services

CRJ642 - Probation and Parole: Community Corrections
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study of community alternatives to prison confinement. Examination of halfway houses, work release, and other community-based approaches to corrections.

DEPARTMENT:

Community Leadership and Human Services

CRJ644 - Graduate Cooperative Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

May be repeated to a maximum of six credits. Cannot be used to meet M.B.A., M.P.A. or M.S. degree requirements. Graded pass/fail.

DEPARTMENT:

Community Leadership and Human Services

CRJ645 - Graduate Internship
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Supervised internship placement in a criminal justice agency. Students are expected to examine administrative, operational, legal and ethical issues faced by the placement agency.

DEPARTMENT:

Community Leadership and Human Services

CRJ650 - Constitutional and Legal Issues in Criminal Justice
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A comprehensive examination of the constitutional law that affects criminal justice professionals, citizens, suspects, and incarcerated individuals, with considerable attention given to both civil and criminal legal issues surfacing in the criminal justice field. Topics will include due process, search and seizure, self-incrimination, bail, and right to counsel and a fair trial.

DEPARTMENT:

Community Leadership and Human Services

CRJ655 - Crime Prevention
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This interactive seminar will deal with crime prevention strategies for law enforcement, business/industrial security and other criminal justice personnel. Issues of situational crime prevention, environmental design, physical security measures, defensible space, opportunity theories, crime displacement, rational choice theory and selected crime prevention studies will be explored. International issues and extensive case studies will be included.

DEPARTMENT:

Community Leadership and Human Services

CRJ673 - Victimology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Analysis of major perspectives on victimization. Emphasis on patterns of victimization, the role of victims in the generation of crime, and the experience of the victim in the criminal justice system.

DEPARTMENT:

Community Leadership and Human Services

CRJ675 - Comparative Criminal Justice Systems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An examination of non-American criminal justice systems. Specific areas of comparison will include but not be limited to, the police, judiciary, and criminal corrections of selected foreign systems.

DEPARTMENT:

Community Leadership and Human Services

CRJ680 - Mental Illness: A Criminal Justice Perspective
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will examine the impact of mental health issues on the justice system, with special emphasis given to how the criminal justice system interacts with and intervenes with individuals with mental illness, including those who are members of at-risk groups such as persons of color, veterans, elders, juveniles, females, and the homeless.

DEPARTMENT:

Community Leadership and Human Services

CRJ690 - Fish and Game Law
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course covers the protections of biodiversity through state and federal wildlife laws. Historical antecedents and common law roots for federal and state wildlife policy and laws will be investigated. Wildlife crime will be examined in detail.

DEPARTMENT:

Community Leadership and Human Services

CRJ695 - Special Problems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Individual study and projects designed to meet the needs of each student. May be repeated for credit if topics differ.

DEPARTMENT:

Community Leadership and Human Services

CRJ698 - Thesis
CREDITS:

3 - 6

COURSE LEVEL:

Graduate

Description

.

DEPARTMENT:

Community Leadership and Human Services

CSC: Computer Science

CSC100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Computer Science and Information Systems

CSC101 - Introduction to Problem Solving Using Computers
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is an introduction to problem-solving using computers which spans the breadth of issues such as logical reasoning in algorithm development, procedural, object-oriented and event-driven/visual programming languages, web programming, networking concepts, security issues and other pertinent topics regarding the use of a computer to solve real-world problems. The student will be provided with an overall picture of the many areas of expertise in the computing field as they apply to other disciplines as well as an introduction to fundamental programming concepts. This course is intended as the first course for CSIS majors and a course for non-majors who want to learn how to instruct computers to solve problems.

Prerequisites

Math ACT score of at least 20 or MAT 097 or higher

DEPARTMENT:

Computer Science and Information Systems

CSC125 - Internet and Web Page Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introductory course covering the Internet, web page and web site design. The student will be introduced to the physical components of client-server networks and basic Internet including mailers, browsers, search engines, and FTP clients. The major part of this course will cover the fundamentals of creating web pages using freely available HTML text editors and a visual web authoring tool that provides a WYSIWYG design environment. Web page development will include the use of lists, hyperlinks, images, client-side image maps, tables, forms, cascading style sheets, and interactivity using basic JavaScript.

DEPARTMENT:

Computer Science and Information Systems

CSC145 - Introduction to Programming
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to problem-solving methods and algorithm development using a object-oriented programming language. Topics include variables, input and output, selection, repetition, methods, arrays, objects, classes, and text file processing. This is the recommended second course for majors in the discipline.

Prerequisites

MAT 150 or equivalent

DEPARTMENT:

Computer Science and Information Systems

CSC199 - Introduction to Information Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed for students pursuing any program of study. A student taking this course will gain competency with file management, word processing, spreadsheet, database management, and presentation graphics software. In addition, the student will become familiar with general computer technology such as computer hardware, computer operations, networks, the Internet and the World Wide Web.

Prerequisites

Math ACT score of at least 19 or MAT 096 (or higher)

DEPARTMENT:

Computer Science and Information Systems

CSC232 - Introduction to Programming in C#
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introductory programming course for students with little programming experience. Course covers basic algorithm development; structured programming and event-driven programming; introduction to object-oriented programming; graphical user interfaces; and exception handling. C# will be used as the programming language. Two hours lecture and two hours laboratory per week.

Prerequisites

CSC 101

DEPARTMENT:

Computer Science and Information Systems

CSC233 - Programming in Python
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory course in programming in Python using both procedural and object oriented methods. Topics include variables; lists and dictionaries, strings and tuples; file input/output; control structures; functions; and object-oriented programming with classes. This course can be taken by non-CS majors to fulfill their requirement for a programming language course.

DEPARTMENT:

Computer Science and Information Systems

CSC235 - Programming in C++
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course in programming in C++ using both procedural and object-oriented methods. Topics include variables; expressions; stream and file input/output; control structures; arrays; functions; pointers; records; dynamic memory management; object-oriented programming with classes; single and multiple inheritance. The course will also include an introduction to the Linux operating system.

Prerequisites

CSC 101

DEPARTMENT:

Computer Science and Information Systems

CSC260 - Application Program Development in COBOL I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to algorithms and programs, variable assignment, and input, decision, looping, tables, subroutines, algorithm design and testing, records, file organization, and processing. The focus of this course is on control structures and their syntax, elementary data structures, and sequential files. Two hours lecture and two hours lab.

Prerequisites

CSC 145 or 232

DEPARTMENT:

Computer Science and Information Systems

CSC275 - Introduction to Game Programming
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course introduces computer game design and development. Emphasis is on two-dimensional games for a single player. Topics include: game genres, story and character development, rules of play, game physics, sound effects, usability, and the player experience. Students critique classic arcade and console games, discuss future trends in computer games and design and implement their own computer game for a popular platform.

DEPARTMENT:

Computer Science and Information Systems

CSC299 - Special Topics in Computer Applications
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

CIS299 - Special Topics in Computer Applications

Description

A special topics course designed to permit the teaching of appropriate topics as needed in a changing high-tech discipline. The course will include those topics which are relevant but not necessarily appropriate for permanent, specific course status. Topics will be selected and offered on university/community need and/or interest. Does not apply to the CSC or CIS majors. May not be substituted for any course in the business core. Prerequisites vary with topics covered. May be repeated for a maximum of six hours. (Same as CIS 299.)

DEPARTMENT:

Computer Science and Information Systems

CSC300 - Discrete Structures
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course introduces the discrete mathematical foundations of computer science, providing the appropriate theoretical background for advanced courses. Topics include: sets, relations and functions, basic logic, proof techniques, basics of counting, graphs and trees, and discrete probability.

Prerequisites

CSC 145 and MAT 150 or equivalent

DEPARTMENT:

Computer Science and Information Systems

CSC310 - Database Administration
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course in administering database management systems. Topics include data definition language, data control language, backup and recovery, security, performance tuning, network administration.

Prerequisites

BUS 355 or CIS 307

DEPARTMENT:

Computer Science and Information Systems

CSC325 - Advanced Object-Oriented Programming
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course covers advanced features available in the standard libraries provided with modern object-oriented languages. Topics will include graphical user interface components, graphics, network programming, database programming, multithreading and parallel programming.

Prerequisites

CSC 145

DEPARTMENT:

Computer Science and Information Systems

CSC332 - Advanced Programming in C#
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth study of the latest version of the C# programming language. Emphasis is placed on advanced programming techniques and database concepts The course covers event driven programming and object-oriented paradigms. Topics include structured programming, class creation, user interface development and database management.

Prerequisites

CSC 232 with a grade of C or better

DEPARTMENT:

Computer Science and Information Systems

CSC345 - Data Structures
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Data structures and abstract data types (ADTs) for arrays, strings, lists, stacks, queues, trees, and graphs. These ADTs are presented in both static and dynamic memory implementations. The course also cover the design and implementation of recursive algorithms such as sorting and searching, hasing functions, priority queues, and heaps. Other topics (recursion, lists, events, inheritance, polymorphism) in object-oriented programming will be covered as time permits. Three hours lecture and two hours laboratory per week.

Prerequisites

CSC 145 with a minimum grade of C

DEPARTMENT:

Computer Science and Information Systems

CSC360 - Scripting Languages
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is a survey of several popular scripting languages. Operating system shell languages and Perl will be discussed. The emphasis will be on applications of scripting languages to network and server administration tasks.

Prerequisites

Knowledge of high-level programming language and a server operating system

DEPARTMENT:

Computer Science and Information Systems

CSC370 - Introduction to Artificial Intelligence
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is a basic introduction to artificial intelligence (AI) covering fundamental material in problem solving, heuristic search, knowledge representation, deduction, planning uncertain reasoning, learning, and natural-language processing. The course will focus on understanding the concepts, processes and technologies involved in modern computing systems considered to fall in the category of AI.

Prerequisites

CSC 345

DEPARTMENT:

Computer Science and Information Systems

CSC375 - Introduction to Machine Learning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is a basic introduction to topics in the field of machine learning. The course focuses on designing algorithms that allow computers to learn and take actions in a probabilistic fashion using statistical inferences. Students will explore Probabilistic Reasoning, Belief Networks, Bayesian learning, hidden variable learning, supervised and unsupervised learning, linear modeling, Gaussian processes, Mixture Models, and Discrete State Markov Models.

Prerequisites

CSC 345

DEPARTMENT:

Computer Science and Information Systems

CSC385 - Introduction to Special Topics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Supervised independent study of specialized topics in computer science. The course can be repeated once for an additional three credit hours.

DEPARTMENT:

Computer Science and Information Systems

CSC405 - Computer Architecture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Applications of digital logic circuits, register transfer logic and assembly language to the design and operation of the modern general-purpose computer are reviewed. Course covers the functional components of the ALU, control unit, memory unit, and I/O communications. Course includes an overview of microcontrollers and single-board computers as applied to embedded systems. A study of parallel and distributed architectures, as well as alternative processor architectures are reviewed. Two hours lecture, two hours of digital logic lab per week.

Prerequisites

CSC 345

DEPARTMENT:

Computer Science and Information Systems

CSC410 - Parallel and Distributed Computing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of principles of network and distributed computer systems. This course covers the concepts of the network control, asynchronous concurrent processes, multi-threaded execution, mutual exclusion, deadlock, distributed storage management, processor scheduling, and system and network security. Two hours lecture and two hours lab per week.

Prerequisites

CSC 345

Corequisites

CSC 411, 412, 413, or 414

DEPARTMENT:

Computer Science and Information Systems

CSC411 - Distributed Systems Project in Graphics and Visual Computing
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

Project course to accompany CSC 410. The chosen project will be related to distributed systems and graphics and visual computing. Graded pass/fail.

Corequisites

CSC 410

DEPARTMENT:

Computer Science and Information Systems

CSC412 - Distributed Systems Project in Net-Centric Computing
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

A project course to accompany CSC 410. The chosen project will be related to distributed systems and net-centric computing. Graded pass/fail.

Corequisites

CSC 410

DEPARTMENT:

Computer Science and Information Systems

CSC413 - Distributed Systems Project in Embedded Systems Programming
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

Project course to accompany CSC 410. The chosen project will be related to distributed systems and embedded systems programming. Graded pass/fail.

Corequisites

CSC 410

DEPARTMENT:

Computer Science and Information Systems

CSC414 - Distributed Systems Project in Applications Programming
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

Project course to accompany CSC 410. The chosen project will be related to distributed systems and applications programming. Graded pass/fail.

Corequisites

CSC 410

DEPARTMENT:

Computer Science and Information Systems

CSC415 - Programming Languages
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Formal definition of programming language syntax and semantics. Global properties of imperative and object-oriented languages including scope of declarations, binding times, simple data types, abstract data types, control structures, subprograms, concurrency, and exception handling. Introduction to functional and logic programming paradigms.

Prerequisites

CSC 345

DEPARTMENT:

Computer Science and Information Systems

CSC420 - Numerical Analysis I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the numerical algorithms fundamental to scientific computer work. Includes elementary discussion of error, polynomial interpolation, quadrature, linear systems of equations, solution of non-linear equations, and numerical solution of ordinary differential equations. The algorithmic approach and the efficient use of the computer are emphasized.

Prerequisites

MAT 250, knowledge of high-level programming language and CSC 302

DEPARTMENT:

Computer Science and Information Systems

CSC425 - Mobile and Web Programming
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course to emphasize the development of software applications on particular hardware platforms. Types of platforms covered include: Web platforms, mobile platforms, and game platforms. Course will cover currently relevant platform languages such as Ruby and HTML5, Java Script, and PHP. For Web platforms emphasis will be on software as a service (SaaS). Issues for mobile platforms will include wireless communication, location-aware applications, and performance/power tradeoffs. For game platforms, emphasis will be on choice of programming language, cross-platform development and game platform constraints.

Prerequisites

CSC 325

DEPARTMENT:

Computer Science and Information Systems

CSC430 - Software Construction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is a survey of professional software development tools and practices. Topics include agile development methods, version control, test driven development, unit testing, system testing, continuous integration, bug tracking, software design patters, documentation, and code quality. Students will complete both individual and team programming projects.

Prerequisites

CSC 345

DEPARTMENT:

Computer Science and Information Systems

CSC445 - Computer Algorithms
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of the design and analysis of algorithms. This course covers methods of tree and graph traversal for optimal and approximate solutions to semi-numerical problems. It includes a study of the basic problem-solving techniques of greedy method, divide-and-conquer, dynamic programming, backtracking and branch-and-bound. Introduction to complexity and the NP hierarchy.

Prerequisites

CSC 345

Corequisites

CSC 446, 447, 448, or 449

DEPARTMENT:

Computer Science and Information Systems

CSC446 - Algorithms Project in Graphic and Visual Computing
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

A project course to accompany CSC 445. The chosen project will be related to algorithms and graphics and visual computing. Graded pass/fail.

Corequisites

CSC 445

DEPARTMENT:

Computer Science and Information Systems

CSC447 - Algorithms Project in Net-Centric Computing
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

A project course to accompany CSC 445. The chosen project will be related to algorithms and net-centric computing. Graded pass/fail.

Corequisites

CSC 445

DEPARTMENT:

Computer Science and Information Systems

CSC448 - Algorithms Project in Embedded Systems Programming
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

A project course to accompany CSC 445. The chosen project will be related to algorithms and embedded systems programming. Graded pass/fail.

Corequisites

CSC 445

DEPARTMENT:

Computer Science and Information Systems

CSC449 - Algorithms Project in Applications Programming
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

A project course to accompany CSC 445. The chosen project will be related to algorithms and applications programming. Graded pass/fail.

Corequisites

CSC 445

DEPARTMENT:

Computer Science and Information Systems

CSC450 - Cryptography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides an introduction to cryptographic algorithms. Topics will include classical cryptography (e.g., Caesar cipher and affine cipher), symmetric-key cryptography (e.g., DES and AES), public-key cryptography (e.g., RSA and ElGamal), hash functions (e.g., MD5 and SHA), and other topics related to cryptography such as number theory, digital certificates, authentication, key management, and password protection.

Prerequisites

CSC 300

DEPARTMENT:

Computer Science and Information Systems

CSC455 - Computer Security
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course includes a study of computer security from a software, a network, and an information systems perspective. Topics include user authentication, malicious software, encryption, network intrusion prevention and detection, secure software, privacy, and security management issues.

Prerequisites

CSC 345

DEPARTMENT:

Computer Science and Information Systems

CSC488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Consent of chair

DEPARTMENT:

Computer Science and Information Systems

CSC489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Consent of chair

DEPARTMENT:

Computer Science and Information Systems

CSC508 - Data Analysis and Pattern Classification for Machine Learning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course covers techniques in data anaylsis, signal processing, multi-sensor data fusion, machine vision, classification, and data modeling. Includes applications of Least-Squares Fit, Maximum-Likelihood Method, K-Means Clustering, Category Utility, Convolution, Fourier Analysis, and Support Vector Machines. The material in this course provides the tools needed to support supervised and unsupervised machine learning.

Prerequisites

CSC 300, MAT 250, and an approved probability and statistics course (STA 135 or STA 540)

DEPARTMENT:

Computer Science and Information Systems

CSC510 - Network Management and Implementation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to networking and data communication including topical coverage of transmission protocols, interconnectivity, network implementation and server installations. Emphasis will be placed on network design, operations, management, and costing. May not receive credit for both TSM 133 and CSC 510.

DEPARTMENT:

Computer Science and Information Systems

CSC515 - Computer Graphics Programming
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Techniques in two-dimensional and three-dimensional computer graphics image generation and animation. Course includes: human visual perception, modeling, rendering, techniques in animation, visualization, and computational geometry.

Prerequisites

Knowledge of a high-level language

DEPARTMENT:

Computer Science and Information Systems

CSC530 - Senior Software Project
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course requires the development, documentation, and presentation of a significant software project.

Prerequisites

CSC 345

Corequisites

CSC 531, 532, 533, or 534

DEPARTMENT:

Computer Science and Information Systems

CSC531 - Graphical User Interface Development Project in Graphics and Visual Computing
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

Project course to accompany CSC 530. The chosen project will be related to graphical user interface development and graphics and visual computing. Graded pass/fail.

Corequisites

CSC 530

DEPARTMENT:

Computer Science and Information Systems

CSC532 - Graphical User Interface Development Project Net-Centric Computing
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

Project course to accompany CSC 530. The chosen project will be related to graphical user interface development and net-centric computing. Graded pass/fail.

Corequisites

CSC 530

DEPARTMENT:

Computer Science and Information Systems

CSC533 - Graphical User Interface Development Project in Embedded Systems Programming
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

Project course to accompany CSC 530. The chosen project will be related to graphical user interface development and embedded systems programming. Graded pass/fail.

Corequisites

CSC 530

DEPARTMENT:

Computer Science and Information Systems

CSC534 - Graphical User Interface Development Project in Applications Programming
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

Project course to accompany CSC 530. The chosen project will be related to graphical user interface development and applications programming. Graded pass/fail.

Corequisites

CSC 530

DEPARTMENT:

Computer Science and Information Systems

CSC540 - Social, Ethical and Professional Issues in the Information Age
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course emphasizes social, ethical, legal, technical and professional issues encountered in the information age including the historical and social context, professional responsibilities, risks and liabilities, and intellectual property.

Prerequisites

CSC 345 and senior standing

DEPARTMENT:

Computer Science and Information Systems

CSC565 - Embedded Systems and Robotics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Architecture of various microcontrollers and their uses in embedded systems applications are studied. One or more of the popular microcontrollers will be selected for practice in hardware design and programming, including methods for interfacing with computers, sensors and control systems.

Prerequisites

CSC 405

DEPARTMENT:

Computer Science and Information Systems

CSC575 - Computer Animation and Game Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course builds on the computer animation techniques of CSC 515. Topics covered include lighting techniques, texture mapping, atmospheric effects, collision detection, user input devices, and sound effects. Physics modeling, real-time animation, AI behavior modeling and other fundamentals of fame design are introduced.

Prerequisites

CSC 515

DEPARTMENT:

Computer Science and Information Systems

CSC585 - Special Problems
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Supervised independent study of specialized topics in computer science. May be repeated one time.

Prerequisites

Senior standing and/or consent of instructor

DEPARTMENT:

Computer Science and Information Systems

CSC685 - Special Problems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Supervised independent study of specialized topics in computer science. May be repeated one time.

DEPARTMENT:

Computer Science and Information Systems

CSC695 - Comprehensive Project in Computer Science
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course consists of an independent, in-depth study of a topic or problem in computer science under the direct supervision of a faculty member. Periodic conferences will be arranged with the supervising faculty member on an individual basis.

Prerequisites

12 hours of graduate work in computer science or computer information systems and consent of the instructor

DEPARTMENT:

Computer Science and Information Systems

CSE: Institute of Engineering

CSE284 - Sustainable Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to high-performance green buildings and their design and construction. Emphasis on LEED design fundamentals. To provide an overview of emerging delivery systems for high performance green buildings and the basis on which their sustainability can be evaluated. The U.S. Green Building Leadership in Energy and Environmental design (LEED) criteria are discussed in detail.

DEPARTMENT:

Institute of Engineering

CSE330 - Water Quality I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course includes fundamental design and operation of water treatment and reclamation systems. The course uses scientific and engineering concepts for computational methods needed to provide water treatment systems for potable and industrial uses. Hydrologic, public health, and regulatory considerations are included. Topics include analyses of water characteristics, system design conforming to regulatory requirements, and related engineering, chemical, biological, and hydraulics concepts.

Prerequisites

MAT 250

DEPARTMENT:

Institute of Engineering

CSE331 - Water Quality II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is a continuation of Water Quality I and includes engineering design and operation of water and reclamation systems. The course uses scientific and engineering concepts for computational methods needed to design water reclamation systems for industrial and municipal dischargers. Hydrologic, public health, and regulatory considerations are included. Topics include analyses of water characteristics, system design, assessment of receiving water quality, and related chemical, biological, and hydraulics concepts.

Prerequisites

CSE 330

DEPARTMENT:

Institute of Engineering

CSE382 - Hydraulics
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course includes principles of fluid statics, dynamics, and kinematics. Included are topics related to fundamental laws for fluid motion and hydrology. Also studied are resistance to flow, flow measurement, and pumping equipment.

Prerequisites

MAT 250

DEPARTMENT:

Institute of Engineering

CSE410 - Transportation Systems and Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will apply engineering and design principles of transportation engineering to a comprehensive transportation system. Topics include highway engineering, traffic flow, traffic safety, and operations of transportation systems.

Prerequisites

CMA 280

DEPARTMENT:

Institute of Engineering

CSE481 - Structural Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course includes comprehensive structural analysis addressing functions of structure, design loads, reactions, and force systems. In addition, analysis of statically determinate structures including beams, trusses, and arches are involved. Energy methods of determining deflections of structures; influence lines and criteria for moving loads; and analysis of statically indeterminate structures including continuous beams and frames are also included.

Prerequisites

EGR 359

DEPARTMENT:

Institute of Engineering

CSE482 - Steel and Concrete Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course includes the design and analysis of steel and concrete used in construction. Topics in this course include the analysis and design of beams and columns. Emphasis will be placed on industry standards for steel and concrete.

Prerequisites

EGR 359

DEPARTMENT:

Institute of Engineering

CSE483 - Construction Materials
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course consists of an overview of material properties used in construction. This includes: concrete, asphalt, aggregates, masonry, and wood. Students have the opportunity to experience material capacity and behavior as well as construction methods in demonstrations and lab experiments. Furthermore, material applications and detailing in structural and non-structural building components are explored.

Prerequisites

CSE 284

DEPARTMENT:

Institute of Engineering

CSE484 - Soil Mechanics and Foundations
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course includes the mechanical and physical properties of soils and their relations to engineering considerations, such as soil classification, permeability, shearing strength, consolidation, stress distribution, and bearing capacity of soils. Conducting engineering analysis on a variety of soil types using standards is also involved.

Prerequisites

EGR 259

DEPARTMENT:

Institute of Engineering

CSE498 - Senior Design I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Capstone course for the Civil and Sustainability Engineering program. Students assume the responsibility of the design and engineering of a major project utilizing the knowledge gained from previous coursework. Complete documentation of the engineering project is required.

Prerequisites

Senior Standing

DEPARTMENT:

Institute of Engineering

CSE585 - Remediation Engineering
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study includes process design and operations for biological and physical/chemical systems used to remove organic and inorganic contaminants from soil and ground water.

Prerequisites

CSE 331 and CHE 201

DEPARTMENT:

Institute of Engineering

CSP: College Student Personnel

CSP618 - Practicum and Seminar in College Student Personnel Work
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Practical aspects of college student personnel work will be examined through the use of appropriate placements in working professional settings. A seminar will accompany these placements to provide a forum for a structured discussion and development of concepts observed while in the field placement settings.

DEPARTMENT:

Educational Studies, Leadership and Counseling

CSP631 - Study Abroad Programs Administration
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course emphasizes study abroad from an administrative perspective and begins with broader and contextual issues around institutional internationalization. Major topical areas include the importance and relevance of study abroad in the core as well as co-curriculum; orientation and preparation of students, faculty, and staff to participate in study abroad programs; counseling, placing, and supporting interested students; identifying and developing appropriate new program options; and administering a study abroad office.

Prerequisites

PSE 630

Corequisites

PSE 630

DEPARTMENT:

Educational Studies, Leadership and Counseling

CSP632 - International Student Administration
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course focuses on the managment of international student and scholar presence on American campuses. Specific aspects addressed include international student enrollment, orientation, advisement, integration into campus community life, visiting scholar administration, and implications for institutional internationalization.

Prerequisites

PSE 630

Corequisites

PSE 630

DEPARTMENT:

Educational Studies, Leadership and Counseling

CSP633 - Internship in International Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

As the culmination of in the international education concentration, this experience is designed to apply course learnings in an actual higher education work setting. Required is a minimum of 200 assignment hours in a unit devoted to any one or combination of study abroad, international student and scholar support services, or international relations responsibilites at a college or university. The assignment inclusdes close supervision by the professional directly responsible for this area of university service. Prerequisite: CSP 630 with a grade of B or better and either CSP 631 or 632 with a grade of B or better; simultaneous enrollment in CSP 631 or 632 with instructor permission.

Prerequisites

PSE 630 with a grade of B or better and either CSP 631 or 632 with a grade of B or better; simultaneous enrollment in CSP 631 or 632 with instructor permission

DEPARTMENT:

Educational Studies, Leadership and Counseling

CTE: Career and Technical Education

CTE200 - Introduction to Career and Technical Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to provide new and pre-service teachers with an introduction to the field of career and technical education. Included are topics related to motivation, and learning theory, curriculum, school organization, funding, laboratory management and historical, socio-cultural, psychological and philosophical foundations of career and technical education.

DEPARTMENT:

Adolescent, Career and Special Education

CTE201 - Introduction to Career and Technical Education for In-Service CTE Teachers
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to provide new in-service CTE teachers with an introduction to the field of career and technical education. Included are topics related to motivation and learning theory, curriculum, school organization, funding, laboratory management and historical, socio-cultural, psychological and philosophical foundations of career and technical education.

DEPARTMENT:

Adolescent, Career and Special Education

CTE210 - Overview of Career and Technical Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is an introduction to the field of career and technical education. Included are topics related to historical, socio-cultural, psychological and philosophical foundations of career and technical education. Students are introduced to curriculum, school organization, laboratory management of career and technical education.

DEPARTMENT:

Adolescent, Career and Special Education

CTE269 - Instructional Technology in Career and Technical Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course introduces students to technology applications commonly found in career and technical education.

DEPARTMENT:

Adolescent, Career and Special Education

CTE270 - Basic Structures and Foundations of CTE
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will include topics related to the basic structures and foundations of career and technical education such as curricular developments; course organization and content selection; student organizations; and historical, sociocultural, psychological, and philosophical foundations of career and technical education.

DEPARTMENT:

Adolescent, Career and Special Education

CTE272 - Organize and Managing School Learning Facilities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to include principles and practices related to equipping and maintaining shop, laboratory and classroom. Emphasis is given to safety and current technology.

DEPARTMENT:

Adolescent, Career and Special Education

CTE274 - Basic Assessment and Curricula for CTE
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to include assessment development and curriculum construction: for selecting and arranging teaching content and preparing instructional materials for career and technical education.

DEPARTMENT:

Adolescent, Career and Special Education

CTE310 - Discovering the Career and Technical Education Profession
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Through this course, students will examine what career and technical education is from its beginnings to current issues, policy, and implementation. Students will discover their personal and professional connections to the field, and their future roles as teachers and career and technical education student organization advisers.

Prerequisites

CTE 210 and EDU 380

DEPARTMENT:

Adolescent, Career and Special Education

CTE312 - Teaching Content Area Literacy in Career and Technical Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed to help the career and technical education teacher teach reading in the content areas. Topics covered are: the reading process, word recognition skills, comprehension, diagnostic-prescriptive instruction, reading strategies, and reading in the career and technical education content areas.

DEPARTMENT:

Adolescent, Career and Special Education

CTE320 - Career and Technical Education Practicum
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

Course will provide structured opportunities for observation in career and technical education environments. Course may be repeated for up to four credit hours.

DEPARTMENT:

Adolescent, Career and Special Education

CTE331 - Instructional Planning in Career and Technical Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to provide the new in-service career and technical education teacher with an introduction to the field of career and technical education. Major topics to be examined include career and technical education curriculum, school organization, funding, laboratory management and historical, socio-cultural, and philosophical foundations of career and technical education.

Prerequisites

Participation in Kentucky Department of Education New Teacher Induction

DEPARTMENT:

Adolescent, Career and Special Education

CTE332 - Instructional Strategy in Career and Technical Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed for the new in-service career and technical education teacher. The focus will include topics related to the instructional strategies utilized in career and technical education such as the creation of a vision for CTE instruction, the use of project based and cooperative learning strategies in the CTE classroom, and academic integration into CTE.

Prerequisites

CTE 331

DEPARTMENT:

Adolescent, Career and Special Education

CTE333 - Classroom Assessment in Career and Technical Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed for the new in-service career and technical education teacher. The course will include an introduction to understanding assessment and effective grading practices, the development of assessment tools, and the use of assessment data in career and technical education for the new in-service occupational based CTE teacher.

Prerequisites

CTE 332

DEPARTMENT:

Adolescent, Career and Special Education

CTE334 - Classroom Management in Career and Technical Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to present various theories and methods for classroom management for the new in-service occupational based career and technical education teacher. The focus will be to assist the new teacher with establishment and maintenance of effective classroom management.

Prerequisites

CTE 333

DEPARTMENT:

Adolescent, Career and Special Education

CTE363 - Evaluation of Instruction in Career and Technical Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to provide instruction in the process of instructional evaluation. Emphasis is given to the establishment of student performance criteria, the assessment of student performance in the cognitive, affective and psychomotor domains, and the assigning of grades.

DEPARTMENT:

Adolescent, Career and Special Education

CTE371 - Methods of Instruction in Career and Technical Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to provide instruction regarding the presentation and application of instructional materials including the methods, techniques, and technology relevant to teaching career and technical education subjects.

DEPARTMENT:

Adolescent, Career and Special Education

CTE380 - Career and Technical Subjects
CREDITS:

1 - 30

COURSE LEVEL:

Undergraduate

Description

For this course, an assessment will be made of previous educational experiences from universities, community colleges, private and public schools, and all institutions recognized by the National Commission on Accrediting. Graded pass/fail. May be repeated for up to 30 credit hours.

DEPARTMENT:

Adolescent, Career and Special Education

CTE381 - Career and Technical Experiences
CREDITS:

1 - 30

COURSE LEVEL:

Undergraduate

Description

For this course, credit may be earned by thoroughly documented experiences in an occupation where the individual meets the standards for the entry level of teaching as defined by the Kentucky Department of Education, and where one would be eligible for the one-year vocational teaching certificate. On the basis of this review by the department chair, a specific amount of credit will be determined and given. Graded pass/fail. May be repeated for up to 30 credit hours.

DEPARTMENT:

Adolescent, Career and Special Education

CTE410 - Effective Career and Technical Education Programs and Practices
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Through this course, students will examine what is needed to implement effective career and technical education programs. Students will explore strategies that promote an engaging classroom environment that will permit successful delivery of CTE content.

Prerequisites

CTE 310 and admission to Teacher Education

DEPARTMENT:

Adolescent, Career and Special Education

CTE463 - Seminar in Student Teaching, Career and Technical Education
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Course is designed to include the identification of selected teaching concepts and a study of their use as a foundation for instructional methods, student activities, and evaluation of student learning. Graded pass/fail.

DEPARTMENT:

Adolescent, Career and Special Education

CTE501 - Structures and Foundations of CTE
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to provide new and pre-service teachers with an introduction to the field of career and technical education. Included are topics related to motivation, and learning theory, curriculum, school organizations, funding, laboratory management and historical, socio-cultural, psychological and philosophical foundations of career and technical education.

Prerequisites

Admission to Teacher Education

DEPARTMENT:

Adolescent, Career and Special Education

CTE502 - Assessment and Curricula in Career and Technical Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to provide an overview of assessment and curricula unique and appropriate for the career and technical education classroom and laboratory.

Prerequisites

Admission to Teacher Education

DEPARTMENT:

Adolescent, Career and Special Education

CTE503 - Planning and Implementing Instruction in CTE
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to provide an overview of current trends and issues in planning and implementing instruction in the media rich career and technical education classroom and laboratory. This course includes exploration of such varied methods as lecture, discussion, group instruction, projects and instructional modules.

DEPARTMENT:

Adolescent, Career and Special Education

CTE566 - Special Problems in Career and Technical Education
CREDITS:

1 - 6

COURSE LEVEL:

Undergraduate

Description

Course is designed to provide an opportunity for individual study, laboratory practice and research in vocational education. The student must show a real need for such study and have the proposed problem approved before registering for the course. May be repeated for up to six hours of credit.

DEPARTMENT:

Adolescent, Career and Special Education

CTE568 - Independent Study in Career and Technical Education
CREDITS:

3 - 6

COURSE LEVEL:

Undergraduate

Description

Course is designed to include supervised readings or independent investigative projects in the various aspects of administration, supervision and coordination of career and technical education programs. May be repeated for up to six hours of credit.

DEPARTMENT:

Adolescent, Career and Special Education

CTE600 - Seminar in Career and Technical Education
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Introductory seminar explores current topics in Career and Technical Education. Topics may vary from semester to semester based on student interests and needs of the curriculum.

DEPARTMENT:

Adolescent, Career and Special Education

CTE601 - Introduction to Career and Technical Education for Initial Certification
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed as an introduction to the Master's degree for the occupational based Career and Technical Education (CTE) teacher who has previously earned a bachelor's degree in the technical field for which they are presently employed as a CTE educator. Teachers will examine and reflect on their experiences while aligning with the New Teacher Institute (NTI) experience of the new occupational based secondary teacher. Teachers will research their own schools and community and develop a plan to meet the individual student needs in their classrooms.

DEPARTMENT:

Adolescent, Career and Special Education

CTE631 - Advanced Instructional Planning Career and Technical Education

CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed as an introduction to instructional planning for the occupationally based Career and Technical Education (CTE) teacher who has previously earned bachelor's degree in the technical field for which they are presently employed as a CTE educator. It examines the instructional planning process and the influences that affect students, teachers, and schools including socio-economic, cultural, language, historic, and political influences. Teachers will examine and reflect on their experiences in the classroom in relation to the instructional planning process while aligning with the New Teacher Induction (NTI) experience of the new occupationally based secondary teacher. Teachers may research their own schools and community and develop a plan to meet the individual student needs in their classrooms.

Prerequisites

Participation in Kentucky Department of Education New Teacher Induction

DEPARTMENT:

Adolescent, Career and Special Education

CTE632 - Advanced Instructional Strategies in Career and Technical Education

CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course includes an analysis of the process of curriculum development within schools and the larger community for in-service career and technical education teachers. Students will consider and analyze current theory, school goals, instructional planning, student achievement and curriculum evaluation leading to reflective decision-making and career and technical education teacher development.

Prerequisites

CTE 631

DEPARTMENT:

Adolescent, Career and Special Education

CTE633 - Advanced Classroom Assessment in Career and Technical Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will include procedures and techniques for effective and useful assessment and grading practices for the new in-service CTE teacher. Focus will be on the development of assessment tools, and appropriate use of assessment data in career and technical education.

Prerequisites

CTE 632

DEPARTMENT:

Adolescent, Career and Special Education

CTE634 - Advanced Classroom Management in Career and Technical Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course includes an analysis of selected methods of classroom management for the new in-service CTE teacher. The focus will be on the study of various approaches to assist new in-service career and technical education teachers with the establishment and maintenance of effective classroom management.

Prerequisites

CTE 633

DEPARTMENT:

Adolescent, Career and Special Education

CTE640 - Student Teaching Practicum in Career and Technical Education
CREDITS:

6

COURSE LEVEL:

Graduate

Description

Course provides opportunities for students to participate in all activities and duties generally expected of a career and technical education teacher. Student will observe, participate, and teach under the supervision of a faculty member and a cooperating teacher. Includes experience in lesson planning, classroom management, record keeping, development and use of instructional materials and delivery of instruction. Graded pass/fail.

DEPARTMENT:

Adolescent, Career and Special Education

CTE665 - Program Planning and Evaluation
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course includes procedures and techniques in planning and evaluating programs in vocational and technical education.

DEPARTMENT:

Adolescent, Career and Special Education

CTE666 - Special Problems in Career and Technical Education
CREDITS:

1 - 6

COURSE LEVEL:

Graduate

Description

Course provides an opportunity for individual study, laboratory practice and research in vocational education. The student must show a real need for such study and have the proposed problem approved before registering for the course. May be repeated for up to six hours of credit.

DEPARTMENT:

Adolescent, Career and Special Education

CTE667 - Emerging Trends in Instructional Technology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course includes the study of trends in industrial technology affecting vocational technical education, including competency-based education, management by objectives, objectives exchange systems, information storage and retrieval, instructional models, etc.

DEPARTMENT:

Adolescent, Career and Special Education

CTE668 - Independent Study in Career and Technical Education
CREDITS:

3 - 6

COURSE LEVEL:

Graduate

Description

Course includes supervised readings or independent investigative projects in the various aspects of administration, supervision and coordination of vocational programs. May be repeated for up to six hours of credit.

DEPARTMENT:

Adolescent, Career and Special Education

CTE671 - Philosophy of Career and Technical Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is a study of the social, historical, and philosophical development and current philosophical beliefs of career and technical education. The student will develop a philosophy and understanding of career and technical education and then apply that philosophy and understanding to understanding new or different past-present-future career and technical education. The meaning of career and technical education to the individual and society, as well as the nature and impacts of career and technical education on the individual and society will be introduced and explored.

DEPARTMENT:

Adolescent, Career and Special Education

CTE672 - Managing CTE Learning Facilities
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course includes the principles and practices for planning, organizing, and maintaining school shop, laboratory and classroom facilities used in teaching vocational subjects. Emphasis is given to classroom management and control, supply inventory, equipment maintenance and safety. An independent study project or research report is required.

DEPARTMENT:

Adolescent, Career and Special Education

CTE676 - Organization and Administration of Career and Technical Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the organization and administration of technology, vocational and technical education programs on the various school levels and the development and coordination of external advisory boards. The students will experience development of a strategic plan that includes a mission statement, rationale for change, goals and objectives, action steps, as well as a program evaluation strategy. State and national legislation affecting technology and vocational education will be studied.

DEPARTMENT:

Adolescent, Career and Special Education

CTE678 - Review of Professional Literature in Career and Technical Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course includes review and analysis of outstanding professional literature in the various fields of career and technical education. Survey of research and professional papers from other disciplines that relate to career and technical education will be included. The critical analysis of selected publications will be required.

DEPARTMENT:

Adolescent, Career and Special Education

CTE680 - Exit Seminar in Career and Technical Education
CREDITS:

1

COURSE LEVEL:

Graduate

Description

The purpose of this course is to provide an opportunity for students to conduct a self-analysis of knowledge, skills and abilities relative to the graduate program completed. This is accomplished by a review of past textbooks and notes, small group discussions, simulations, role-playing as well as finalizing of the eligibility portfolio. Course is repeatable up to two hours.

Prerequisites

CTE 601 and be within six hours or less of completing the program

DEPARTMENT:

Adolescent, Career and Special Education

CTS: College Transition Skills

CTS101 - College Transition Skills I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to assist college students with disabilities in the academic and social transitions associated with college life. Students will receive instruction on college accommodations and self-advocacy skills. The development of specific success skills will be paired with activities to promote making connections at the University. Emphasis will be placed on time and task management, study skills, test-taking, and note-taking strategies. Career exploration, academic advising and locating support services will be included in this class. This is a letter-graded course.

Prerequisites

Admission to Project Pass- registered with Disability Services

DEPARTMENT:

Student Disability Services

CTS102 - College Transition Skills II
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course designed to continue assistance to college students with disabilities in the academic and social transitions associated with college life. One-on-one meetings will cover success skills such as time management, study strategies, grade checks, and other academic guidance activities will be included in this class. Credit earned in this course may not be counted toward graduation requirements.

Prerequisites

CTS 101

DEPARTMENT:

Student Disability Services

CYS: Computer Science and Information Systems

CYS601 - Data Communications and Networking

CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

CIS601 - Data Communication and Networking

Description

A study of data communication, network infrastructure, transmission technologies, and hardware/software components that support modern business communications. Designed to provide students with the technical foundation to manage and secure contemporary data networks. (Same as CIS 601)

DEPARTMENT:

Computer Science and Information Systems

CYS603 - Project Management

CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

CIS603 - Project Management

Description

Course designed to provide an in-depth understanding of key ideas, practices, issues, concepts, artifacts, practices, frameworks, and theories of project management in the context of IT, telecommunications, and cybersecurity. Special emphasis is put on understanding of how projects align with the overall strategy of an organization and how well-planned projects can help an organization achieve positive results in relation to operations, competitive advantage, and security. (Same as CIS 603.)

Corequisites

CYS 601

DEPARTMENT:

Computer Science and Information Systems

CYS615 - Information System Security
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

CIS615 - Information System Security

Description

Study of modern computer, network, and information system security. This course provides an overview of security challenges and mitigation controls in the information system environment. Topics include network intrusion prevention and detection, incident response, malicious software (malware), public key encryption, message authentication, and privacy issues. (Same as CIS 615.)

DEPARTMENT:

Computer Science and Information Systems

CYS625 - Information Security Risk Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Information security risk management is the application of risk management techniques to business information technology systems to reduce the risk, threats, and vulnerabilities. Using an industry standard risk management framework, conduct an information technology risk assessment using both qualitative and quantitative methodologies, develop risk management policies and reports, create risk management mitigation plan, and define risk management mitigation security measurements and baselining.

Prerequisites

CYS 615

DEPARTMENT:

Computer Science and Information Systems

CYS630 - Telecommunications Legal Environment: Law, Policy, and Regulation
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Law, policy and regulation as they affect telecommunications technologies and telecommunications business strategies. Emphasis will be placed on an examination of the FCC, the Telecommunications Act of 1996, and the telecommunications business environment, including licensing, privacy, security, divestiture and antitrust.

DEPARTMENT:

Computer Science and Information Systems

CYS640 - Incident Management and Business Continuity
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Incident response is an organization's response and management of a security incident such as breach, cyberattack effect. Learn intelligence collection, threat hunting, cybersecurity situational awareness, principles of forensic investigations, root cause analysis, and development and execution of policy in response to human and non-human incidents.

Prerequisites

CYS 615

DEPARTMENT:

Computer Science and Information Systems

CYS645 - Infomation Security Program Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Information security program management focuses on the managerial aspects of information security. Functional areas covered are governance, risk, and compliance (GRC), personnel and external relationships, program assessment and metrics, enterprise-wide information security awareness and training programs, and the processes and procedures for information systems compliance audit.

Prerequisites

CYS 601

DEPARTMENT:

Computer Science and Information Systems

CYS680 - Information Security Solutions Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An experiential learning capstone course culminating graduate course work into a Cybersecurity Management proposed solution. Students will collaborate with industry partners to review, develop, or assess information security program operation, management, projects, or governance, risk management, or compliance policies. Major emphasis in the proposed cybersecurity solution is on identifying goals, objectives and metrics, along with the ability to specify, design, operate, manage and implement a comprehensive cybersecurity program. Oral communication skills are required for presentation of proposed cybersecurity solution.

Prerequisites

18 hours of graduate work toward the M.S. in Cybersecurity Management including CYS 601, 625, 640, and 645

DEPARTMENT:

Computer Science and Information Systems

CYS688 - Information Security Practicum
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Application of knowledge and skills developed in core courses in an organizational environment to solve telecommunication management problems. Emphasizes practical industry experience. A report is submitted to the Graduate Committee at the end of the project period.

Prerequisites

Permission of program director

DEPARTMENT:

Computer Science and Information Systems

CYS695 - Comprehensive Project in Information Security
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The course consists of an independent, in depth study of a topic or problem in Telecommunication Systems Management under the direct supervision of a faculty member on an individual basis.

Prerequisites

Nine hours of graduate work in Cybersecurity Management and permission of instructor

DEPARTMENT:

Computer Science and Information Systems

ECO: Economics

ECO100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Economics and Finance

ECO140 - Contemporary Economics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Fundamental economic principles applied to a wide range of real world problems, with the objective of developing an understanding of the market form of economic organization. Designed specifically for two purposes: (1) to meet the needs of the students who are able to take only one economics course in their curriculum, and (2) to satisfy the University Studies social science requirement. Does not apply toward business or economics major, minor, or area requirement.

DEPARTMENT:

Economics and Finance

ECO190 - Consumer Economics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course prepares the student to manage his or her own personal financial affairs in a competent manner as well as providing a foundation for later study and work in the financial planning field. Designed to meet the needs of both business and non-business majors. Cannot receive credit for both ECO 190 and FIN 230.

DEPARTMENT:

Economics and Finance

ECO200 - Economics and Politics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides an introduction to the economic analysis of governments and politics. Topics covered include the role of special interest groups in American government, the growth of the government sector in the American economy, and the fundamental differences between private and public sector decision-making. The course is designed to introduce students to the role that incentives play in understanding government decision-making. Does not apply toward business or economics major, minor, or area requirement, but may be used as an elective.

DEPARTMENT:

Economics and Finance

ECO230 - Macroeconomics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the application of the basic principles of supply and demand to issues in aggregate economics such as national income accounting, unemployment, growth, inflation, business cycles, and the role played by government through its fiscal and monetary policies. Credit is not allowed for both ECO 230 and HON 232.

Prerequisites

MAT 117, 120, 140 or 150; or an ACT math standard score of at least 23

DEPARTMENT:

Economics and Finance

ECO231 - Microeconomics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the application of the basic principles of supply and demand to the behavior of individual economic agents such as consumers, households, business and nonprofit firms, industries, and resource owners. Real world examples are used to demonstrate the application of microeconomics to everyday situations, including an analysis of the effects of government policies on individual markets and income distribution. Credit is not allowed for bother ECO 231 and HON 232.

Prerequisites

MAT 117, 120, 140 or 150; or an ACT math standard score of at least 23

DEPARTMENT:

Economics and Finance

ECO305 - Money and Banking
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of money and its role in the operation of the economy and the banking system.

Prerequisites

Junior standing; ECO 230 and 231

DEPARTMENT:

Economics and Finance

ECO310 - Issues in the Global Economy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A review of fundamental issues in international trade, payments, investment, and economic and social systems relevant for informed international business and public policy decision making. This class may not be taken for credit in the economics major.

Prerequisites

ECO 230 or HON 23

DEPARTMENT:

Economics and Finance

ECO311 - European Economic History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A descriptive study of the economic development of Europe. This course focuses on historical economic thought that developed in Europe and provides a perspective of how Europe is structured today.

Prerequisites

ECO 230 or 231

DEPARTMENT:

Economics and Finance

ECO312 - American Economic History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A descriptive study of the historical development of major economic institutions in the United States.

Prerequisites

ECO 231

DEPARTMENT:

Economics and Finance

ECO313 - History of Economic Thought
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course will explore the development of economic thought from the pre-Adam Smith period through the Keynesian revolution of early twentieth century (and possibly more). Along the way we will see how social forces have shaped the development of economics, gain insight into the workings of truly exceptional minds, and, most importantly, see not only the accomplishments of economics, but also its limitations.

Prerequisites

MAT 117, 120, 140 or 150; or an ACT math standard score of at least 23

DEPARTMENT:

Economics and Finance

ECO315 - Comparative Economic Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An analysis and appraisal of the various economic structures utilized by societies to solve the economic problem of how to allocate scarce resources among unlimited wants.

Prerequisites

Junior standing; ECO 230

DEPARTMENT:

Economics and Finance

ECO320 - Women in the Global Economy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An analysis of the economic conditions and opportunities faced by women around the world. The course focuses on women's access to resources and their roles in the formal and informal economies. Analysis of gender and markets as social constructs will be developed.

DEPARTMENT:

Economics and Finance

ECO325 - Economics of Corruption in Transition and Developing Countries
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is an introduction to the various definitions, causes, consequences of, theories about corruption, the techniques employed in measuring it, and the tactics used to combat it. In particular, the course differentiates the type of corruption known as "state capture" (which refers to corrupt efforts to influence how laws, rules, and regulations are formed and implemented) from political corruption (which refers to the use of existing laws, rules, and regulations to secure favor).

DEPARTMENT:

Economics and Finance

ECO330 - Intermediate Macroeconomics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An analysis of the application of the principles of supply and demand to the macroeconomic problems that face society, such as inflation, unemployment, growth, deficits and recessions. This course is a continuation of ECO 230 with a greater emphasis on the development of formal models of macroeconomic activity.

Prerequisites

ECO 230 and MAT 220

DEPARTMENT:

Economics and Finance

ECO331 - Intermediate Microeconomics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An analysis of the application of the principles of supply and demand to the resource allocation decisions faced by consumers, firms and resource owners. This course is a continuation of ECO 231 with a greater emphasis on the development of formal models of individual product and resource markets.

Prerequisites

ECO 231 and MAT 220

DEPARTMENT:

Economics and Finance

ECO335 - Economics and Public Policy of Telecommunication Industry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The study of market performance and business practices of the telecommunications industry. Includes topics such as market power, merger analysis, vertical relationships, entry and regulation of price and lines of business.

Prerequisites

ECO 231

DEPARTMENT:

Economics and Finance

ECO345 - Environmental Economics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Development of a framework for investigating the meaning and causes of environmental deterioration. Special emphasis on developing and using economic analysis to evaluate the appropriateness of proposed solutions.

Prerequisites

ECO 231

DEPARTMENT:

Economics and Finance

ECO370 - The Economics of Sports
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course explores various aspects of the economics of sports and sports leagues.

Prerequisites

ECO 231 or HON 232

DEPARTMENT:

Economics and Finance

ECO410 - Economic Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the economic characteristics and problems of the less developed countries and to theories and policies applicable to the developing economy.

Prerequisites

ECO 230 and 231 or HON 232

DEPARTMENT:

Economics and Finance

ECO420 - Behavioral Economics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the foundations of behavioral aspects of economics and finance with a focus on how individual behavior can effect decision making processes and influence financial markets.

Prerequisites

ECO 230 or 231

DEPARTMENT:

Economics and Finance

ECO450 - Economic Applications to Law
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the analysis of legal issues and legal reasoning. Case studies include property, contracts, torts, product liability, criminal behavior and the value of life.

Prerequisites

ECO 230 and 231

DEPARTMENT:

Economics and Finance

ECO460 - International Trade and Finance
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the principles, practices, and institutions of international trade and finance.

Prerequisites

ECO 231

DEPARTMENT:

Economics and Finance

ECO485 - Applied Econometrics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The application of statistical methods to the analysis of economic and business data. Topics include simple and multiple regression models, discrete and categorical dependent variables, and longitudinal and panel data. In addition, the students will learn hypothesis testing of linear and nonlinear restrictions, heteroskedasticity, autocorrelation, dummy variables and model selection. The focus will be on using software to analyse data and interpret results. Familiarity with computer programming and econometric packages will be useful but not required.

Prerequisites

STA 135 or CIS 343

DEPARTMENT:

Economics and Finance

ECO488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Economics and Finance

ECO489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of chair

DEPARTMENT:

Economics and Finance

ECO490 - Survey of Economics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A rigorous introduction to economics including the application of the basic principles of microeconomics and macroeconomics, designed for students who have an inadequate background in economics. Covers the same material as in ECO 231 and ECO 230 or the equivalent.

Prerequisites

MAT 117, 120, 140 or 150; or an ACT math standard score of at least 23

DEPARTMENT:

Economics and Finance

ECO498 - Research Methods in Economics
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Course is the first of a two course sequence (with ECO 499) which together make up the senior seminar portion of the economics major. This class will cover research methods including: project design, research methods, writing skills, and presentation skills. Those not meeting these requirements must seek the permission of the instructor.

Prerequisites

Senior standing

DEPARTMENT:

Economics and Finance

ECO499 - Senior Seminar in Economics
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

This is a capstone course in economics and is required of all economics majors. This class will serve to draw together the knowledge and analytical tools developed during the economics major course of study by requiring the development and completion of an independent research project.

Prerequisites

ECO 485

DEPARTMENT:

Economics and Finance

ECO505 - Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Open to junior and senior economics majors. Students are placed with cooperating firms or government agencies to receive on-the-job training in economic analysis. Work experience is supervised by faculty and written reports are required. Graded pass/fail.

Prerequisites

Permission of departmental chair

DEPARTMENT:

Economics and Finance

ECO521 - Seminar in Economic Thought: Rand's Objectivism
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An analysis of the merits and ethical foundations of free enterprise and capitalism from the perspective of Ayn Rand's Atlas Shrugged. The principles of free enterprise will be applied to a variety of historical and current issues as developed in Rand's objectivism.

DEPARTMENT:

Economics and Finance

ECO538 - Monetary and Fiscal Policy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An appraisal of the federal government's efforts to promote full employment and price stability.

Prerequisites

ECO 330

DEPARTMENT:

Economics and Finance

ECO539 - Microeconomic Policy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An analysis of government policy affecting business firms and consumer choice.

Prerequisites

ECO 331

DEPARTMENT:

Economics and Finance

ECO540 - Market Structure and Firm Behavior
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course examines non-competitive market structures such as monopoly, oligopoly and monopolistic competition. The course will focus on output and pricing decisions of such firms, the economic impact of these market structures, and the regulation of non-competitive markets.

Prerequisites

ECO 231

DEPARTMENT:

Economics and Finance

ECO550 - Public Finance
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the principles and practices of raising and spending public revenues.

Prerequisites

ECO 231

DEPARTMENT:

Economics and Finance

ECO570 - Labor Economics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the economics of labor, the conditions of employment, wages and the development of labor organizations in the United States.

Prerequisites

ECO 231

DEPARTMENT:

Economics and Finance

ECO595 - Special Problems
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

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DEPARTMENT:

Economics and Finance

ECO610 - Introduction to Economic Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will introduce students to the process, purpose, and background needed for the local economic development process.

DEPARTMENT:

Economics and Finance

ECO611 - Economic Development Methods
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will introduce students to the methods and sources of information used in the economic development process.

DEPARTMENT:

Economics and Finance

ECO615 - Directed Study in Economic Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will provide students the opportunity to gain expertise in a chosen area of economic development. It is suggested that the student choose to study in an area or areas of elective interest for pursuing certification as an economic development professional.

DEPARTMENT:

Economics and Finance

ECO617 - Capstone Project in Economic Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An independent, in-depth study, of a topic or problem in economic development. Ideally, the nature of this project will grow out of the student's internship experience and the project will address and issue of immediate importance to the Economic Development Agency with which the student has completed an internship.

Prerequisites

Admission to the M.S. Economic Development program, completion of or concurrent enrollment in ECO 618

DEPARTMENT:

Economics and Finance

ECO618 - Internship in Economic Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A meaningful, planned, and evaluated work experience related to the work of the economic development professional. The student receives academic credit and possible remuneration.

Prerequisites

Admission to the M.S. Economic Development program

DEPARTMENT:

Economics and Finance

ECO620 - Economic Development Data Analytics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of quantitative concepts and data analysis tools used by modern Economic Development Practitioners.

Prerequisites

ECO 610

DEPARTMENT:

Economics and Finance

ECO621 - Freedom and Economics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An analysis of the merits and ethical foundations of free enterprise and capitalism from the perspective of Ayn Rand's Atlas Shrugged. The principles of free enterprise will be applied to a variety of historical and current issues as developed in Rand's objectivism.

DEPARTMENT:

Economics and Finance

ECO625 - Managerial Economics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An application of economic theory to business problems.

Prerequisites

ECO 230 and ECO 231 or ECO 490; MAT 220; CIS 343 or 490

DEPARTMENT:

Economics and Finance

ECO630 - Macroeconomic Theory
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced analysis of the major theories of national income, price level, interest rate, and employment determination; in particular the short-run impact of policy choices and shocks within the major models.

Prerequisites

ECO 330

DEPARTMENT:

Economics and Finance

ECO631 - Microeconomic Theory
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced treatment of price theory, emphasizing the use of differential calculus and linear algebra to formally model the decision-making of individual economic agents.

Prerequisites

ECO 331 and 680

DEPARTMENT:

Economics and Finance

ECO635 - Advanced Monetary Theory
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The evolution of money, monetary theory, monetary policy and the closely related topic of fiscal policy.

Prerequisites

ECO 330

DEPARTMENT:

Economics and Finance

ECO638 - Monetary and Fiscal Policy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An appraisal of the federal government's efforts to promote full employment and price stability.

Prerequisites

ECO 330

DEPARTMENT:

Economics and Finance

ECO639 - Microeconomic Policy and Application
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An application of basic microeconomic theories to the analysis of the effects of various governmental policies on individual consumers, firms, industries or resource owners. The topics that will be covered in any particular semester will vary, being drawn primarily from policy issues of current importance.

Prerequisites

ECO 230 and 231

DEPARTMENT:

Economics and Finance

ECO640 - Market Structure and Firm Behavior
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course examines non-competitive market structures such as monopoly, oligopoly and monopolistic competition. The course will focus on output and pricing decisions of such firms, the economic impact of these market structures, and the regulation of non-competitive markets.

Prerequisites

ECO 231

DEPARTMENT:

Economics and Finance

ECO650 - Theory of Public Finance
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Reviews the problem of resource allocation within the framework of government revenue and expenditure policies, and the impact of these policies on the economy.

Prerequisites

ECO 231

DEPARTMENT:

Economics and Finance

ECO655 - Cost Benefit Analysis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will introduce the student to the techniques of benefit-cost analysis and program evaluation tools used in business and government applications.

DEPARTMENT:

Economics and Finance

ECO660 - International Business and Finance
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A review of international economic and financial theories and applications, including international trade, payments, investment and currency markets.

Prerequisites

ECO 230 and 231

DEPARTMENT:

Economics and Finance

ECO670 - Labor Economics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A survey of the economics of labor, the conditions of employment, wages and the development of labor organizations.

Prerequisites

ECO 231

DEPARTMENT:

Economics and Finance

ECO680 - Quantitative Methods of Economics and Business
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A rigorous presentation of the fundamental quantitative methods most frequently encountered in the graduate study of economics and business. Topics covered include matrix algebra, partial differentiation, constrained and unconstrained optimization and comparative statics.

Prerequisites

ECO 230, 231 and MAT 220

DEPARTMENT:

Economics and Finance

ECO685 - Econometrics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The theory and application of statistical methods to the analysis of economic and business data. Topics covered include simple and multiple regression analysis, hypothesis testing of linear and nonlinear restrictions, heteroskedasticity, autocorrelation, dummy variables and model selection.

Prerequisites

ECO 231 and CIS 343

DEPARTMENT:

Economics and Finance

ECO690 - Forecasting for Business and Government
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intuitive presentation of the basic quantitative forecasting techniques widely used in industry and government, including multiple regression analysis, exponential smoothing algorithms and ARIMA modeling (Box-Jenkins).

Prerequisites

ECO 230, 231 and CIS 343

DEPARTMENT:

Economics and Finance

ECO695 - Special Problems
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Independent study of a special problem in economics by students who have the background to do independent work.

Prerequisites

ECO 680

DEPARTMENT:

Economics and Finance

ECO697 - Teaching and Application of Economic Principles: K-12
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

Description

A survey of content, materials, teaching methodology and practicum in program design for incorporating economic principles into grades K-12. The course is designed for those with little or no formal economic background.

DEPARTMENT:

Economics and Finance

ECO698 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Economics and Finance

ECO699 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Economics and Finance

EDP: Educational Psychology

EDP260 - Psychology of Human Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the systematic changes in the cognitive, behavioral, social, and biological functioning of the individual across the developmental stages of life. Note: Cannot be counted toward both teacher certification and the psychology major or minor. Field hours required.

DEPARTMENT:

Educational Studies, Leadership and Counseling

EDP675 - Advanced Educational Psychology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A psychological perspective and research-based examination of the learner, the teacher, and the classroom interaction processes involved in effective educational processes.

DEPARTMENT:

Educational Studies, Leadership and Counseling

EDU: Education

EDU100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Early Childhood and Elementary Education

EDU106 - Tutoring and Mentoring in Schools
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This elective course is intended to provide a collegiate level service learning experience for high school students who wish to provide service to their school or district in the form of tutoring or mentoring student. This course will also provide experiences for high school students interested in pursuing teacher education or other human service oriented careers. The course will include training in basic techniques of tutoring in a number of academic areas. The course may also provide techniques for peer mentoring for students who would benefit from support for the academic, social, or psychological aspects of the school experience. The course will include a minimum of 22 hours of tutoring or mentoring experiences.

DEPARTMENT:

Early Childhood and Elementary Education

EDU180 - Exploring the Teaching Profession
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course introduces potential teacher candidates to the work and culture of the teaching profession through required clinical observations and interactions in an appropriate school setting in early childhood, elementary, middle school, and secondary school environments. Candidates will actively explore the importance of professional identity, roles and responsibilities; knowledge, skills, and dispositions; student-centered practice; and students' developmental and cultural needs. By the end of this course, candidates will know if teaching is their career choice. Clinical experiences required.

DEPARTMENT:

Early Childhood and Elementary Education

EDU222 - Instructional Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course introduces students to the wide variety of emerging and existing technology applications that are commonly seen in modern educational classrooms. Students will explore, evaluate, and demonstrate competence in the use of instructional technology as a tool for the interactive and engaging classroom.

Prerequisites

EDU 180

DEPARTMENT:

Early Childhood and Elementary Education

EDU250 - Signed English I
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed for students who want to acquire stills to communicate manually with babies, preschoolers, children, and others with special needs. The introductory course includes the manual alphabet and development of basic skills in Signed English (SE), and Baby Signs®. Field experiences are required.

DEPARTMENT:

Early Childhood and Elementary Education

EDU280 - Educating for Human Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course addresses human development as a foundation for student learning across the lifespan. Specifically, candidates will develop a basis for creating developmentally appropriate instruction and assessment. Emphasis will be placed on understanding the importance of building relationships, developing collaborative partnerships, and creating a culturally responsive, student-centered environment to meet all students' needs. Clinical experiences required.

DEPARTMENT:

Early Childhood and Elementary Education

EDU330 - Teaching Strategies for Non-Certification Majors
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course is an introduction to and application of the instructional skills for teaching children, middle/late adolescents, and adult students. This course cannot be accepted for any teaching certification program. Topics include the design of lessons to encourage appropriate outcomes and behaviors for all learners, an in-depth study of learning styles and outcomes, and the initial development of a personal philosophy of teaching.

Prerequisites

HPE 175 with a C or higher

DEPARTMENT:

Early Childhood and Elementary Education

EDU370 - Expanding Educational Horizons through International Travel
CREDITS:

2 - 6

COURSE LEVEL:

Undergraduate

Description

A short-term (one-to-two week) study abroad experience highlighting the culture and educational system in another country. This course may be taken more than once if travel is to different countries. Students must qualify for participation in a Murray State University-sponsored international experience. Repeatable up to 6 credit hours.

DEPARTMENT:

Early Childhood and Elementary Education

EDU380 - Inclusive Teaching of Diverse Learners
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will examine the design, implementation, and assessment of instruction with the diverse learner in mind. Teacher candidates will synthesize knowledge of learning theories, technology, and evidence-based practices, including classroom management, to develop units of study and lesson plans. The course will introduce candidates to federal laws and guidelines addressing diverse students (e.g. special education, ELL, gifted and talented). Clinical experience required.

Prerequisites

EDU 180 and EDU 280 or equivalent courses with a B or higher

DEPARTMENT:

Early Childhood and Elementary Education

EDU422 - Student Teaching Seminar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A professional experience to be provided concurrently with student teaching to provide theory, research base and a forum to support the performance in the school assignment. Topics arising from problems encountered in the classroom as well as other current topics will be studied. Graded pass/fail.

Prerequisites

Admission to Teacher Educations and Student Teaching

DEPARTMENT:

Early Childhood and Elementary Education

EDU423 - International Teaching Experience
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A course designed to provide an international teaching experience for prospective teachers through which they will come to understand the culture and educational system of another country. Students will be placed in an international educational setting and will collaborate with teachers and administrators to assist in providing instruction to students.

DEPARTMENT:

Early Childhood and Elementary Education

EDU450 - Special Problems
CREDITS:

0 - 12

COURSE LEVEL:

Undergraduate

Description

Individual study and projects in education. Repeatable for up to 12 hours of credit.

DEPARTMENT:

Early Childhood and Elementary Education

EDU480 - Effective Pedagogy
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Teacher candidates will apply content knowledge, educational philosophies, learning theories, differentiated instruction, classroom management strategies, effective assessment practices, instructional technology, co-teaching strategies, student advocacy, and content-area literacy. Emphasis will be placed on roles of teachers, students, parents, school, and community as educational partners. Candidates will design and implement culturally relevant, developmentally-appropriate instruction for all students. The course is paired with a program-specific mega-practicum course.

Prerequisites

EDU 380 or equivalent course with a "B" or higher and admission to Teacher Education.

DEPARTMENT:

Early Childhood and Elementary Education

EDU485 - Professional Perspectives for Teaching
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to prepare the teacher education candidate to engage in ongoing professional learning to continually evalute their practice and the impact on learners. The course develops teacher education candidates to seek appropriate leadership roles and opportunities to collaborate with learners, families, colleagues, other school professionals, and community members. Students will use assessment and analyze data to ensure growth based on individual learning needs. This course is paired with a program-specific mega-practicum.

Prerequisites

EDU 480 or equivalent course with a B or higher and admission to Teacher Education

DEPARTMENT:

Early Childhood and Elementary Education

EDU490 - Internship I
CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

Course is designed to provide students with a practical, in-depth experience for career-related fields in education. Students will be expected to demonstrate 90 hours each semester in an instructor approved setting most closely related to the student's area of study. Graded pass/fail.

Prerequisites

Instructor permission required

DEPARTMENT:

Early Childhood and Elementary Education

EDU491 - Internship II
CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

Course is designed to provide students with a practical, in-depth experience for career-related fields in education with a different context/setting placement from EDU 490. Students will be expected to demonstrate 90 hours each semester in an instructor approved setting most closely related to the student's area of study. Graded pass/fail.

Prerequisites

EDU 490 and instructor permission

DEPARTMENT:

Early Childhood and Elementary Education

EDU601 - Teaching Social Studies K-12 in Classrooms
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Designed to give K-12 teachers depth and understanding of the learning processes of the social studies. Students become familiar with current trends and research-based practices to develop K-12 students' proficiency in social studies. Emphasis is placed on K-12 students' cultural backgrounds, societal context, curriculum materials and individualizing programs.

DEPARTMENT:

Early Childhood and Elementary Education

EDU604 - Mathematics in the Curriculum
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth understanding of the learning and teaching process in mathematics for the K-12 classroom. Graduate candidates become familiar with current trends to develop all students' mathematical competencies.

DEPARTMENT:

Early Childhood and Elementary Education

EDU606 - Preparation of Curriculum Materials
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course involving the producing of learning materials for use in the elementary and secondary schools.

DEPARTMENT:

Early Childhood and Elementary Education

EDU608 - Teaching Science in K-12 Classrooms
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Designed to give K-12 teachers depth and understanding of the learning processes of science. Students become familiar with current trends and research-based practices to develop K-12 students' proficiency in the sciences.

DEPARTMENT:

Early Childhood and Elementary Education

EDU614 - Direct Study of Children and Youth
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A group experience in writing and analyzing anecdotal records composed from direct observation by each member, under the guidance of trained leaders and consultants.

DEPARTMENT:

Early Childhood and Elementary Education

EDU621 - Advanced Methods of Teaching
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced course that applies theories and practices of models of teaching based upon applied research and practitioners experiences.

Prerequisites

EDU 303 or an equivalent course and at least have had student teaching experiences

DEPARTMENT:

Early Childhood and Elementary Education

EDU622 - Philosophy of Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course designed to explore the various philosophies of education; the meaning of education to the individual and society; the nature of thinking; educational aims and values; character education; and the interpretation and evaluation of present day issues and problems in education.

DEPARTMENT:

Early Childhood and Elementary Education

EDU626 - Integration of Educational Technology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Students use a range of traditional, interactive, and emerging technology tools to enhance learning. Students demonstrate knowledge of existing instructional practices as well as compose and produce artifacts using available resources.

DEPARTMENT:

Early Childhood and Elementary Education

EDU631 - Classroom Management and Student Motivation
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Analysis of the theoretical and practical aspects of selected systems of classroom management and motivation. Includes the study of several approaches that can assist teachers in establishing and maintaining a healthy and productive system of classroom operation.

DEPARTMENT:

Early Childhood and Elementary Education

EDU632 - Comparative Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A systematic examination of education in various nations for the purpose of an enlarged critical view of education in the United States.

DEPARTMENT:

Early Childhood and Elementary Education

EDU633 - Curriculum Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A comprehensive analysis of the process of curriculum development within schools and the larger community. The process includes consideration of the teacher leader model according to the current theory, school goals, instructional planning, student achievement and curriculum evaluation leading to reflective decision-making and teacher development.

DEPARTMENT:

Early Childhood and Elementary Education

EDU634 - Problems Curriculum Development in the Public School
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Designed for people desiring to work in specific curriculum areas, K-12. Repeatable to six hours.

DEPARTMENT:

Early Childhood and Elementary Education

EDU637 - Instruction for Diverse Learners
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Examines the needs of a wide range of diverse learners with the goal of matching instruction and accommodations to improve student learning.

DEPARTMENT:

Early Childhood and Elementary Education

EDU647 - Building K-12 Curriculum
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of curriculum trends, practices, and initiatives in K-12 schools. Emphasis will be placed on building curriculum to address the needs of a diverse student population.

DEPARTMENT:

Early Childhood and Elementary Education

EDU649 - Research in Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is a follow-up of ADM 630. The course includes an exploration of elementary statistics as they apply to the completion of an action research project which was proposed and begun in ADM 630. The action research project is to be concluded during this course and presented during a class/departmental colloquium.

DEPARTMENT:

Early Childhood and Elementary Education

EDU650 - Workshop in Education
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Repeatable to six hours. Maximum of six hours from EDU 650 and/or EDU 651.

DEPARTMENT:

Early Childhood and Elementary Education

EDU651 - TQI Workshops in Education
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Selected workshops in education. Repeatable to six hours. Maximum of six hours of EDU 650 and/or 651.

DEPARTMENT:

Early Childhood and Elementary Education

EDU670 - Expanding Educational Horizons through International Travel
CREDITS:

2 - 6

COURSE LEVEL:

Graduate

Description

A short-term (one-to-two week) study abroad experience highlighting the culture and educational system in another country. This course may be taken more than once if travel is to different countries. Students must qualify for participation in a Murray State University-sponsored international experience. Repeatable up to six credit hours.

DEPARTMENT:

Early Childhood and Elementary Education

EDU698 - Thesis
CREDITS:

3 - 6

COURSE LEVEL:

Graduate

Description

Repeatable to six hours.

DEPARTMENT:

Early Childhood and Elementary Education

EDU798 - Specialty Study
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Selection of problem, collection of data, and interpretation of data in preparation for writing a research paper.

DEPARTMENT:

Early Childhood and Elementary Education

EES: Earth and Environmental Sciences

EES100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Earth and Environmental Sciences

EES101 - The Earth and the Environment
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An introduction to the materials of the earth and the processes that modify them to form our landscapes and create our physical environment. Includes an introduction to aerial photo and topographic map interpretation. Three hours of lecture and two hours of laboratory per week.

DEPARTMENT:

Earth and Environmental Sciences

EES102 - Earth Through Time
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An introduction to the study of how the earth's environment has changed through time and the geological processes that are causing the changes. Topics include hypotheses regarding the earth's origin, the evolution of the earth's oceans and atmosphere, and the interaction between environmental factors and appearance of life on the earth. The methods that geologists use to measure time will be identified and described. Particular emphasis will be given to the North American continent. The laboratory will focus on interpretation of earth history through the study of minerals, rocks, and fossils. Three hours of lecture and two hours of laboratory per week.

Prerequisites

EES 101 or 199

DEPARTMENT:

Earth and Environmental Sciences

EES103 - Saving Planet Earth
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

BIO103 - Saving Planet Earth

Description

A study of the problems faced by humans on the Earth, including human population growth, over-exploitation of natural resources, habitat destruction and extinction. The philosophical, ethical, and scientific basis of these problems and their solutions will be discussed. The course will also explore the potential for humans to live in a sustainable fashion on the planet, and emphasize the social responsibility and civic engagement required to do so. (Same as BIO 103.)

DEPARTMENT:

Earth and Environmental Sciences

EES110 - World Geography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to introduce students to the geographic distribution of major regions of the world. Attention will be focused on the delicate interrelationships between the natural landscapes of the earth and corresponding major cultural activities.

DEPARTMENT:

Earth and Environmental Sciences

EES115 - Dinosaurs
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course introduces the scientific study of dinosaurs through the lenses of historical geology, paleontology, and biology. This course will systematically walk through the major groups of dinosaurs focusing on their interrelationships, anatomy, lifestyle and appearance. Special attention will be paid to how we reconstruct dinosaur biology from physical evidence and how our scientific impressions of dinosaurs have changed over time. Topics include fossil preservation, feathered dinosaurs, the origin of birds, thermoregulation, the cause of the dinosaur extinction, and common dinosaur misconceptions.

DEPARTMENT:

Earth and Environmental Sciences

EES120 - Dangerous Planet
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the causes, occurrences and consequences of natural disasters. Students analyze physical causes as well as the distribution and frequency of disasters such as earthquakes, volcanoes, tornados, hurricanes, floods, wildfires, and extraterrestrial impacts, using current events, case studies of historical disasters, and depictions of disasters in film. The course will focus on naturally occurring disasters with an examination of the human role in contributing to and mitigating natural disasters.

DEPARTMENT:

Earth and Environmental Sciences

EES125 - Weather and Climate
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Introduction to the dynamics of the atmosphere and how humans interact with and are influenced by atmospheric processes and climatic variations. Three hours of lecture and two hours of laboratory per week.

DEPARTMENT:

Earth and Environmental Sciences

EES151 - Geosciences of Alcohol
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Alcoholic beverages and their production are restricted to particular geographic regions. This course will explore the geographic distribution of four different alcohols (Kentucky bourbon, wine, hard cider, and rum) using an interdisciplinary approach as broad as the geosciences department itself (including geology, geography, and archaeology). The discussion of each alcohol will begin by examining the ingredients and chemical processes involved in fermentation as well as the geographic distribution of production centers. We will evaluate how climate, hydrology, geology, and soils within the production center impact the availability, chemistry, and flavor of raw materials (e.g., water, corn, grapes, apples, and sugar cane). By examining the archaeological history of alcohol production, we will explore how the geographically restricted production of each alcohol caused it to be incorporated into the cultural identity of a region and how that translates into impacts on local economies, tourism, and state identity. The course will also include an optional field trip to a regional production facility.

DEPARTMENT:

Earth and Environmental Sciences

EES199 - Earth Science
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course introduces basic earth science concepts with elaboration on the origin, structure, and the complex interactions between the major earth components of the atmosphere, hydrosphere and lithosphere. Three hours lecture and two hours lab per week.

DEPARTMENT:

Earth and Environmental Sciences

EES200 - Introduction to Oceanography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the study of oceans and marine processes, with emphasis on the morphology of the ocean floor, life in the ocean, oceanic circulation, seafloor spreading and shoreline management.

Prerequisites

One college-level physical or biological science course

DEPARTMENT:

Earth and Environmental Sciences

EES202 - Introduction to Geographic Information Science
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course is designed to provide an introduction to the fundamental principles and concepts of the mapping sciences. The course will focus on digital image processing and geographic information systems as techniques utilized in such areas as land cover and land capability mapping. The introduction of global positioning systems (GPS) as an auxiliary mapping tool is also included in the course. Three hours lecture and two hours lab per week.

DEPARTMENT:

Earth and Environmental Sciences

EES205 - Mapping for Society
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will examine the fundamental concepts and techniques of geographic information system (GIS) technology and their application to social sciences and humanities. Students will learn how to collect, organize, process, and display geographical data from national, state, and local sources. Emphasis will be placed on spatial data fundamentals, examining the utility of online mapping services and related applications, preparing various data types and formats of use in the development of an online mapping application. Labs will introduce students to current industry-wide software, cloud-based mapping technology, cartographic design, and methods for preparing digital maps for public consumption.

DEPARTMENT:

Earth and Environmental Sciences

EES210 - Hydrology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Occurrence, movement, quality and behavior of water in hydrologic cycle with reference to recovery of underground water in areas of detrital and carbonate rocks. Three lectures per week.

Prerequisites

EES 101

DEPARTMENT:

Earth and Environmental Sciences

EES250 - Geography of the Developing World
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey, by climatic regions, of the cultural, economic and natural setting of the developing world, including the transitional nature of the subtropics.

DEPARTMENT:

Earth and Environmental Sciences

EES251 - Geography of Industrialized World
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey, by climatic regions, of the cultural, economic and natural setting of the industrial world.

DEPARTMENT:

Earth and Environmental Sciences

EES300 - Economic Geology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Distribution, mode of occurrence, origin and uses of mineral deposits. Environmental problems associated with extraction and utilization of mineral resources.

Prerequisites

EES 102

DEPARTMENT:

Earth and Environmental Sciences

EES301 - Understanding Scientific Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

SCI301 - Understanding Scientific Communication

Description

Course concentrates on the methods for preparation and presentation of scientific papers, posters, and oral communication. Students will utilize a data set to produce a publication-quality manuscript, a poster suitable for a scientific meeting, and a presentation such as would be given at a scientific meeting. Topics covered include abstracts, nature of scientific writing, structure and organization of scientific publication, use of literature, graphics and graphic design, and methods of polishing the oral and poster presentations. (Same as SCI 301.)

Prerequisites

COM 161 and ENG 105

DEPARTMENT:

Earth and Environmental Sciences

EES303 - Introduction to Water Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the study of the marine and freshwater environments of the earth. Study of the oceans as the largest component of the earth's hydrosphere will emphasize geological forces which are shaping the ocean floor, ocean currents and tides, the origin of ocean salt, and life in the ocean. Study of freshwater components of the earth's hydrosphere will emphasize connections with the ocean and the special role of each component in the earth's hydrologic cycle.

Prerequisites

One college-level physical or biological science course

DEPARTMENT:

Earth and Environmental Sciences

EES305 - Introduction to Cartography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will emphasize the art, science, and history of the mapping process. Elements of map design and construction will be explored, including coordinate systems, map projections, design concerns, and information management necessary for map creation. Fundamental map skills will be developed, common map applications covered, and future mapping trends explored. Lecture topics will be augmented by hands-on exercises using current GIS software.

DEPARTMENT:

Earth and Environmental Sciences

EES306 - Landscapes of the National Parks
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ARC306 - Landscapes of the National Parks

Description

Course explores the most distinctive and intriguing features of America's National Parks. Emphasis is placed on the geology, ecology, and archaeology of each park, with emphasis placed on how each of these components influences the other in a dynamic feedback system. One Saturday field trip will be required. (Same as ARC 306.)

Prerequisites

EES 102

DEPARTMENT:

Earth and Environmental Sciences

EES310 - Rocks and Mineral Resources
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to common rock and mineral resources, including ore deposits, fossil fuels, and minerals; igneous rocks; metamorphic rocks; and sedimentary rocks. Emphasis is on geologic occurrence and origin, geographic distribution, and importance to humans. Saturday field trips will be required.

Prerequisites

EES 102

DEPARTMENT:

Earth and Environmental Sciences

EES312 - Introduction to Remote Sensing
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

The purpose of this course is to introduce students to the fundamental concepts and techniques in the processing, interpretation and utilization of remotely sensed imagery. The focus of the course is on applications in such fields as agriculture, environmental studies, minerals exploration and resources management/planning. Three hours lecture and two hours lab per week.

DEPARTMENT:

Earth and Environmental Sciences

EES314 - Sediments and Soils
CREDITS:

4

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ARC314 - Sediments and Soils

Description

An in depth study of sediments and soils. Emphasis will be on the geologic formation, interpretation, and significance of sediments and soils in a variety of geologic, environmental, and archaeological contexts. Three hours lecture and two hours laboratory per week plus one required Saturday field trip. (Same as ARC 314.)

Prerequisites

EES 102

DEPARTMENT:

Earth and Environmental Sciences

EES320 - Geography of North America
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Regional approach to studying the dynamic interaction between the physical and cultural aspects of North America.

DEPARTMENT:

Earth and Environmental Sciences

EES325 - Geography of Russia and Central Asia
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Regional approach to studying the dynamic interaction between the physical and cultural aspects of the Russia and the republics of Central Asia.

DEPARTMENT:

Earth and Environmental Sciences

EES327 - Geography of Middle East and North Africa
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Regional approach to studying the dynamic interaction between the physical and cultural aspects of the Middle East and North Africa.

DEPARTMENT:

Earth and Environmental Sciences

EES330 - Economic Geography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course facilitates discussions that focus on the spatial distribution of resources that pertain to economic use, the production, distribution and consumption of goods, the flow of labor and capital and the process of economic and urban development in the context of globalization.

DEPARTMENT:

Earth and Environmental Sciences

EES336 - Principles of Geomorphology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

The origin, characteristics and development of landforms and the processes which determine their formation. Three hours lecture and two hours lab per week.

DEPARTMENT:

Earth and Environmental Sciences

EES339 - Field Geology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to acquaint the student with field and laboratory techniques used by the geologist and to familiarize the student with the geology of Kentucky and adjacent areas. Lectures, laboratory and field study.

Prerequisites

EES 102

DEPARTMENT:

Earth and Environmental Sciences

EES350 - Field Techniques in Geosciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the variety of field techniques utilized by geoscientists in the geologic, environmental, and archaeological fields. Emphasis is placed on the techniques of field surveying and mapping; locational assessment utilizing Global Positioning Systems; orienteering with compass and topographic map; basic descriptive field geology; soil sampling and description; remote and direct hydrologic assessment; and land cover/land use mapping. Field trips will be taken to locations of geologic or environmental significance to the region.

Prerequisites

Junior status

DEPARTMENT:

Earth and Environmental Sciences

EES388 - International Experience in the Geosciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A short-term (10-14 days of travel) study abroad experience highlighting selected historical and modern contributions to the geosciences from another country and culture. The course includes pre- and post-travel meetings, lectures, readings and discussions. Course may be taken only once for credit. Graded pass/fail.

DEPARTMENT:

Earth and Environmental Sciences

EES390 - Geoarchaeology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ARC390 - Geoarchaeology

Description

Survey of geological methods and techniques used to answer archaeological research questions. Topics covered include sedimentary and geomorphic processes, depositional environments, site formation processes, environmental reconstruction, and radio metric dating techniques. One Saturday field trip will be required. (Same as ARC 390)

Prerequisites

ARC 150 and EES 101

DEPARTMENT:

Earth and Environmental Sciences

EES424 - Conservation and Environmental Geosciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will study human population growth and associated resource requirements considering the physical makeup and history of the earth. Natural resource inventory, protection of the environment, geologic hazards and other conservation related topics will be discussed. Use of Geographic Information Systems (GIS) will be emphasized.

DEPARTMENT:

Earth and Environmental Sciences

EES426 - Applied Meterology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A detailed study of synoptic meteorology and weather forecasting. Emphasis placed upon weather maps, their construction and interpretation. Attention given to the micro and meso aspects of meteorology/climatology.

Prerequisites

EES 125

DEPARTMENT:

Earth and Environmental Sciences

EES427 - Population Geography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth look at world population distributions and dynamics including past, present, and future trends and the influence of population growth on world economic activity.

DEPARTMENT:

Earth and Environmental Sciences

EES430 - Crystallography and Optical Mineralogy
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Crystallography, crystal chemistry, optical theory and technique. Identification of the common rock-forming minerals by indices of refraction and other optical properties. Three lectures and two hours of laboratory per week.

Prerequisites

EES 102 or equivalent

DEPARTMENT:

Earth and Environmental Sciences

EES431 - Igneous and Metamorphic Petrology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Detailed study of igneous and metamorphic rocks and the processes by which they form.

Prerequisites

EES 310, CHE 105 or CHE 121

DEPARTMENT:

Earth and Environmental Sciences

EES432 - Stratigraphy and Sedimentary Petrology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A course to focus on sedimentary petrology and stratigraphy pertaining to environmental modeling, an essential component in the field of petroleum geology. Three lectures and two hours of laboratory per week.

Prerequisites

EES 102 or equivalent

DEPARTMENT:

Earth and Environmental Sciences

EES433 - Structural Geology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory course in genetic and descriptive aspects of the deformational features of the earth. Two lectures and two hours laboratory per week.

Prerequisites

EES 102 or equivalent

DEPARTMENT:

Earth and Environmental Sciences

EES488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of the department chair

DEPARTMENT:

Earth and Environmental Sciences

EES489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of the department chair

DEPARTMENT:

Earth and Environmental Sciences

EES499 - Senior Thesis in Earth and Environmental Sciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A faculty-supervised undergraduate research thesis for eligible seniors only. The student will develop and defend a senior thesis as a written document and an oral presentation.

Prerequisites

Completed or current enrollment in EES 301, 312, 336, and ARC 320; senior standing; major in Earth and Environmental Sciences; and permission of the department chair upon nomination by the faculty supervisor

DEPARTMENT:

Earth and Environmental Sciences

EES507 - Land Use Planning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Analyze the principles and techniques utilized in the planning process. Emphasis is placed on the practical aspects of planning: needs, problems and proposed solutions. (Same as PLN 507.)

DEPARTMENT:

Earth and Environmental Sciences

EES510 - Geophysics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Practical aspects of applied and environmental geophysics including gravity, magnetics, electricity, electromagnetic theory and practice.

Prerequisites

MAT 150 or equivalent

DEPARTMENT:

Earth and Environmental Sciences

EES512 - Remote Sensing
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Emphasis will be placed upon the fundamentals of image interpretation using a wide variety of image types both airborne and spaceborne. The application of remotely sensed data and techniques in many areas.

Prerequisites

BIO 240 or EES 202 or EES 312

DEPARTMENT:

Earth and Environmental Sciences

EES515 - Geochemistry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The chemistry of the geologic environment including the distribution of chemical elements in the earth and natural waters, the nature and causes of chemical processes, and the application of chemical laws, methods and data to the solution of geologic problems. Emphasis is on the low-temperature geochemistry as it pertains to sedimentation, weathering and groundwater quality.

DEPARTMENT:

Earth and Environmental Sciences

EES520 - Geography of Kentucky
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the topography, soils, climate, industries, commerce and population in Kentucky with emphasis upon the interrelationships between these various phenomena.

DEPARTMENT:

Earth and Environmental Sciences

EES521 - Geographic Information Systems
CREDITS:

4

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

PLN521 - Geographic Info Systems

Description

Techniques course that introduces digital georeferenced information systems, including data capture, editing and encoding techniques, data storage structures, database management systems, data analysis and model development, and information display methods. Three hours of lecture and two hours of laboratory per week. (Same as PLN 521.)

DEPARTMENT:

Earth and Environmental Sciences

EES522 - Advanced Cartography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to introduce students to effective cartographic design, which is key for successful communication between map readers and map creators. Map design components and construction will be discussed, including map scale, map projection, and spatial analysis. This course will focus on computer-based and online map production techniques with emphasis on using ArcGIS mapping tools. Students will gain hands on experience in creating their own datasets by either digitizing satellite imagery or by using Google Earth.

Prerequisites

EES 305 or equivalent

DEPARTMENT:

Earth and Environmental Sciences

EES523 - Problems in Urban Geography and Urban Planning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

PLN523 - Problems in Urban Geography and Urban Planning

Description

Theories, techniques and research in urban geography and planning. Focus placed on the designs and strategies addressing present-day urban problems. (Same as PLN 523.)

DEPARTMENT:

Earth and Environmental Sciences

EES533 - Paleoecology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The study of the formation of the first ecologies with the origin of life on earth, and the continuing changes in the earth's ecologies through time. Classic paleoecological communities are examined, including Precambrian, Ordovician, Cretaceous and Pleistocene ecosystems. Specific attention paid to the interaction and co-evolution of the organic and inorganic environments.

Prerequisites

BIO 101 or EES 101, or equivalent

DEPARTMENT:

Earth and Environmental Sciences

EES534 - Invertebrate Paleontology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

The classification, morphology and paleontological significance of fossil invertebrates. Three lectures and two hours of laboratory per week.

Prerequisites

EES 102 or equivalent

DEPARTMENT:

Earth and Environmental Sciences

EES536 - Soils and Geomorphology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will study soil formation and how it varies as a function of climate, topography, organisms, relief, parent material and time. They will be trained to describe soil properties in the field and lab, and learn how to infer pedogenic processes using these data. One weekend field trip required.

Prerequisites

EES 336

DEPARTMENT:

Earth and Environmental Sciences

EES542 - Watershed Ecology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

BIO542 - Watershed Ecology

Description

The study of the movement of water through the environment and its relationship to biotic systems. Areas emphasized include the hydrologic cycle and its influence on groundwater, lotic and lentic systems; the effect of water on plant and animal communities; and the influence of human activity on watershed structure and function. (Same as BIO 542).

Prerequisites

BIO 330

DEPARTMENT:

Earth and Environmental Sciences

EES556 - Geophysical Surveying
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ARC556 - Geophysical Surveying

Description

An overview of the application of terrestrial geophysical survey techniques and aerial remote sensing techniques in archaeological research. Emphasis will be placed on terrestrial geophysical survey methods with hands on training in the use of instruments such as ground penetrating radar and magnetic gradiometer. Weekend field trip to local archaeological sites are required. (Same ARC 556.)

Prerequisites

ARC 300

DEPARTMENT:

Earth and Environmental Sciences

EES561 - Precision GIS/GPS Applications
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

An introduction to Geographic Information Systems (GIS) and Global Positioning System (GPS) applications in natural resources, business and land management. The course is divided into three distinct parts: 1) Introduction to GIS/GPS applications, 2) Business applications, and 3) Precision land management applications. Students must take the introduction phase before continuing with the other two parts. Variable credit hours: 1 credit for Part 1, 2 credits for Part 1 and 2 or 1 and 3, or 3 credits for Parts 1, 2, and 3. Course may be repeated for a maximum of three credit hours.

DEPARTMENT:

Earth and Environmental Sciences

EES562 - Hydrogeology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Knowledge and experience in the use of hydrologic and erosion models. State-of-the-art surface water, ground water and erosion models will be studied, along with hands-on training in the use of digital computers for applying these models to real-world geological situations.

Prerequisites

MAT 150 or equivalent

DEPARTMENT:

Earth and Environmental Sciences

EES565 - Biogeochemistry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

BIO565 - Biogeochemistry
CHE565 - Biogeochemistry

Description

Survey and discussion of the scientific literature on global cycles of carbon, nitrogen, phosphorus and man-made chemicals with special emphasis on the biogeochemical and ecological processes that affect terrestrial and aquatic ecosystems. The course will focus on interdisciplinary themes that incorporate new research results form the fields of biology, chemistry, and geosciences. (Same as BIO/CHE 565.)

Prerequisites

Junior or higher standing in biology, chemistry or geosciences

DEPARTMENT:

Earth and Environmental Sciences

EES570 - Computer Applications in Geosciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to the use of computers in geoscientific problem-solving and data processing. Students will utilize existing programs and will develop original routines.

Prerequisites

EES 521 or EES 522 and CSC 101

DEPARTMENT:

Earth and Environmental Sciences

EES575 - Field Vertebrate Paleontology
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

The study of vertebrate fossils in both field and lab, including collection, processing and identification. Field work may include trips throughout the continental United States and occasionally overseas. (Usually taught during summer.)

Prerequisites

Completion of two semesters of undergraduate laboratory science and upper-class or graduate standing

DEPARTMENT:

Earth and Environmental Sciences

EES578 - Terrestrial Ecosystem Modeling
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will introduce students to the basic concepts of climate and terrestrial carbon cycle. The course will examine terrestrial ecosystem processes that influence the global carbon cycle and the climate. The focus of this course is in the modeling of carbon, water, and energy fluxes between the terrestrial ecosystem and the atmosphere. Methods for analyzing and modeling these processes at different spatial scales will be presented. Students will participate in at least one field trip to Hancock Biological Station.

Prerequisites

EES 301

DEPARTMENT:

Earth and Environmental Sciences

EES579 - Remote Sensing of Vegetation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will introduce students to the use of remote sensing imagery to monitor vegetation functions and structure. The course will examine the techniques used to extract remote sensing features related to vegetation functions and structure. The focus of this course is in the use of remote sensing data to model and monitor vegetation carbon and water fluxes at different spatial scales. The aim of this course is to provide students with skills in applied remote sensing, particularly for application related to terrestrial ecosystem.

Prerequisites

EES 512

DEPARTMENT:

Earth and Environmental Sciences

EES591 - Special Problems
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This course is designed for students who have an aptitude for research in the area of geosciences. (May be repeated one time.)

DEPARTMENT:

Earth and Environmental Sciences

EES592 - Special Problems
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

This course is designed for students who have an aptitude for research in the area of geosciences. (May be repeated one time.)

DEPARTMENT:

Earth and Environmental Sciences

EES593 - Special Problems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed for students who have an aptitude for research in the area of geosciences. (May be repeated one time.)

DEPARTMENT:

Earth and Environmental Sciences

EES601 - Graduate Study in Geosciences
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Course will familiarize incoming graduate students with various aspects of graduate education at the university and in the department. Topics will include requirements of the Graduate Office and the department, utilization of library, other campus, and department resources, and an introduction to research methods, instrumentation, types of data and software utilized in the geosciences. The course will be team-taught.

Prerequisites

Admission to the graduate program in geosciences

DEPARTMENT:

Earth and Environmental Sciences

EES607 - Land Use Planning
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

PLN607 - Land Use Planning

Description

Analyze the principles and techniques utilized in the planning process. Emphasis is placed on the practical aspects of planning: needs, problems and proposed solutions. (Same as PLN 607.)

DEPARTMENT:

Earth and Environmental Sciences

EES612 - Remote Sensing
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Emphasis will be placed upon the fundamentals of image interpretation using a wide variety of image types both airborne and spaceborne. The application of remotely sensed data and techniques in many areas such as geoscience, agriculture, forestry and planning will be emphasized. Three hours lecture and two hours of laboratory per week.

DEPARTMENT:

Earth and Environmental Sciences

EES616 - Isotope Geochemistry
CREDITS:

3

COURSE LEVEL:

Graduate

Description

In this class students will comprehend how variations in the isotopic abundances of elements are used to understand past and present Earth systems.

DEPARTMENT:

Earth and Environmental Sciences

EES619 - Seminar in Research Techniques
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Introduces graduate students to the methods and techniques of research in geosciences. Focus is on utilizing modern techniques of problem-solving employing statistical methods, digital image processing/remote sensing, geographic information systems, global positioning systems, environmental modeling, computer mapping and programming language.

DEPARTMENT:

Earth and Environmental Sciences

EES621 - Geographic Information Systems
CREDITS:

4

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

PLN621 - Geographic Information Systems

Description

Techniques course that introduces digital georeferenced information systems, including data capture, editing and encoding techniques, data storage structures, database management systems, data analysis and model development, and information display methods. (Same as PLN 621.)

DEPARTMENT:

Earth and Environmental Sciences

EES622 - Advanced Cartography
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course designed to introduce students to effective cartographic design, which is key for successful communication between map readers and map creators. Map design components and construction will be discussed, including map scale, map projection, and spatial analysis. This course will focus on computer-based and online map production techniques with emphasis on using ArcGIS mapping tools. Students will gain hands on experience in creating their own datasets by either digitizing satellite imagery or by using Google Earth.

Prerequisites

EES 305 or equivalent

DEPARTMENT:

Earth and Environmental Sciences

EES631 - Geology for Teachers
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An introduction of the materials of the earth and the processes that modify them to form our landscapes and create our physical environment. Laboratory is integrated into the classroom lectures and will include study and identification of rocks and minerals and the interpretation of geological maps and photos. The literature of geology teaching will be reviewed with an emphasis on exercises that can be used in the teacher's classroom or laboratory.

DEPARTMENT:

Earth and Environmental Sciences

EES633 - Paleoecology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The study of the formation of the first ecologies with the origin of life on Earth, and the continuing changes in earth's ecologies through time. Classic paleoecological communities are examined, including Precambrian, Ordovician, Cretaceous, and Pleistocene ecosystems. Specific attention will be paid to the interaction and co-evolution of the organic and inorganic environments.

DEPARTMENT:

Earth and Environmental Sciences

EES636 - Soils and Geomorphology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Students will study soil formation and how it varies as a function of climate, topography, organisms, relief, parent material and time. They will be trained to describe soil properties in the field and lab, and learn how to infer pedogenic processes using these data.

DEPARTMENT:

Earth and Environmental Sciences

EES640 - Advanced Remote Sensing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The principles associated with the digital processing of remotely sensed imagery. Image enhancement techniques, quantitative accuracy evaluation, unsupervised and supervised, will be stressed.

Prerequisites

EES 612 or equivalent

DEPARTMENT:

Earth and Environmental Sciences

EES641 - Digital Image Processing Research
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Application of digital image processing to remotely sensed and other diverse data; hands-on experience using PC and UNIX-based image processing software, such as ENVI and ERDAS Imagine; data conversions and other processing; simple to complex algorithm development/application using a programming language and/or an image processing software.

Prerequisites

EES 640 or equivalent

DEPARTMENT:

Earth and Environmental Sciences

EES642 - Watershed Ecology
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

BIO642 - Watershed Ecology

Description

The study of the movement of water through the environment and its relationship to biotic systems. Areas emphasized include the hydrologic cycle and its influence on groundwater, lotic and lentic systems; the effect of water on plant and animal communities; and the influence of human activity on watershed structure and function. (Same as BIO 642.)

Prerequisites

BIO 330

DEPARTMENT:

Earth and Environmental Sciences

EES643 - Soil Micromorphology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

This course emphasizes practical laboratory microscopic (micromorphological) study of thin sections of surficial (Earth) materials, including modern soil, stream sediments, and weathered rock (saprolite), as well as "fossil soils" preserved in the geological record as paleosols.

DEPARTMENT:

Earth and Environmental Sciences

EES644 - Graduate Cooperative Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

May be repeated to a maximum of six credits. Graded pass/fail.

DEPARTMENT:

Earth and Environmental Sciences

EES656 - Geophysical Surveying
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

ARC656 - Geophysical Surveying

Description

An overview of the application of terrestrial geophysical survey techniques and aerial remote sensing techniques in archaeological research. Emphasis will be placed on terrestrial geophysical survey methods with hands on training in the use of instruments such as ground penetrating radar and magnetic gradiometer. Weekend field trip to local archaeological sites are required. (Same ARC 656.)

DEPARTMENT:

Earth and Environmental Sciences

EES660 - Spatial Analysis Techniques
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Introduces students to spatial analysis and spatial statistical techniques. 'Hands-on' experience with software packages and associated algorithms is emphasized.

Prerequisites

EES 640

DEPARTMENT:

Earth and Environmental Sciences

EES661 - Precision GIS/GPS Applications
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

An introduction to Geographic Information Systems (GIS) and Global Positioning System (GPS) applications in natural resources, business and land management. The course is divided into three distinct parts: 1) Introduction to GIS/GPS applications, 2) Business applications, and 3) Precision land management applications. Students must take the introduction phase before continuing with the other two parts. Variable credit hours: 1 credit for Part 1, 2 credits for Part 1 and 2 or 1 and 3, or 3 credits for Parts 1, 2, and 3. Course may be repeated for a maximum of three credit hours.

DEPARTMENT:

Earth and Environmental Sciences

EES662 - Hydrogeology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Knowledge and experience in the use of hydrologic and erosion models. State-of-the-art surface water, ground water and erosion models will be studied, along with hands-on training in the use of digital computers for applying these models to real-world geological situations.

Prerequisites

MAT 150 or equivalent

DEPARTMENT:

Earth and Environmental Sciences

EES665 - Physical/Chemical Limnology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will consider important physical and chemical processes in lakes and reservoirs. The focus of these processes is their relation to biological processes and their importance to understanding aquatic ecosystem dynamics. Physical processes to be discussed include heat, light, water movement and thermal structure in lakes. The chemical cycles of carbon, nitrogen, phosphorus and oxygen will be considered in detail. A few intensively studied lakes will serve as models for integrating the various processes.

DEPARTMENT:

Earth and Environmental Sciences

EES678 - Terrestrial Ecosystem Modeling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will introduce the students to the basic concepts of climate and terrestrial carbon cycle. The course will examine terrestrial ecosystem processes that influence the global carbon cycle and the climate. The focus of this course is in the modeling of carbon, water, and energy fluxes between the terrestrial ecosystem and the atmosphere. Methods for analyzing and modeling these processes at different spatial scales will be presented.

DEPARTMENT:

Earth and Environmental Sciences

EES679 - Remote Sensing of Vegetation
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will introduce the students to the use of remote sensing imagery to monitor vegetation functions and structure. The course will examine the techniques used to extract remote sensing features related to vegetation carbon and water fluxes at different spatial scales. The aim of this course is to provide students will skills in applied remote sensing, particularly for application related to terrestrial ecosystems.

DEPARTMENT:

Earth and Environmental Sciences

EES680 - Advanced Geographic Information Systems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A project-based course for students seeking greater understanding of GIS theory, technology, and applications. Students will apply GIS to their research interests and gain hands-on experience through using ArcGIS software package. By the end of the class, students will be able to identify the appropriate methods for solving particular research problems, be familiar with current research directions in spatial analysis, and demonstrate their ability to complete a research project. Students seeking graduate credit must be admitted to graduate status prior to enrolling in this course.

Prerequisites

EES 621 or PLN 621

DEPARTMENT:

Earth and Environmental Sciences

EES691 - Special Problems
CREDITS:

1

COURSE LEVEL:

Graduate

Description

(May be repeated one time.)

DEPARTMENT:

Earth and Environmental Sciences

EES692 - Special Problems
CREDITS:

2

COURSE LEVEL:

Graduate

Description

(May be repeated one time.)

DEPARTMENT:

Earth and Environmental Sciences

EES693 - Special Problems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

(May be repeated one time.)

DEPARTMENT:

Earth and Environmental Sciences

EES696 - Understanding Scientific Communication
CREDITS:

2

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

BIO696 - Understanding Scientific Communication

Description

This course concentrates on the methods for preparation and presentation of scientific paper and oral communications. Students will utilize a data set to produce 1) a publication quality manuscript, 2) a scientific meeting quality poster, and 3) a 15 minute presentation such as would be given at a scientific meeting. Topics covered include abstracts, nature of scientific writing, structure and organization of scientific publication. The course is required of all biological sciences graduate students in their first spring semester of residence and is open to all other graduate students with permission of instructor. One, two-hour course meeting per week. (Same as BIO 696.)

DEPARTMENT:

Earth and Environmental Sciences

EES698 - Thesis Research
CREDITS:

3

COURSE LEVEL:

Graduate

Description

.

DEPARTMENT:

Earth and Environmental Sciences

EES699 - Thesis Research
CREDITS:

3

COURSE LEVEL:

Graduate

Description

.

DEPARTMENT:

Earth and Environmental Sciences

EGD: Engineering Graphics and Design

EGD100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Meetings with advisors, department personnel, service areas, and campus field trips comprise the main involvement. Availability of university resources is stressed with emphasis on personal basis. Graded pass/fail.

DEPARTMENT:

Institute of Engineering

EGD101 - Introduction to Design and Graphic Communications
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An introduction to the fundamental theory and practice of technical design communication, engineering sketching and CAD drafting conventions. Techniques are presented with emphasis on both theory and practical applications. The course includes an introduction to product design, the engineering design process, orthographic projection of product geometry and dimensioning/specifications. Lecture and laboratory-six contact hours. Open only to engineering graphics and design majors.

DEPARTMENT:

Institute of Engineering

EGD102 - CAD Applications
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory course with emphasis in multiview projection for mechanical components and the design file creation using 3D parametric modeling. Cannot be taken for credit by ITD/Engineering Graphics and Design majors/minors.

DEPARTMENT:

Institute of Engineering

EGD103 - Technical Sketching
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Techniques of freehand and sketching. Delineation and rendering in two and three dimensional drawings. Lecture and laboratory.

DEPARTMENT:

Institute of Engineering

EGD104 - Computer Aided Design
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An intermediate course in the theory and practical applications of computer aided systems for drafting/design fields. A review of two-dimensional drawing techniques is presented followed by three-dimensional drawing techniques with emphasis on wireframe, surface and solid modeling. An introduction to parametric design is included. This course includes hands-on experience on interactive graphics equipment. Lecture two hours; laboratory four hours. (For ITD students only.)

Prerequisites

EGD 101 or ITD 107

DEPARTMENT:

Institute of Engineering

EGD120 - Processes and Materials
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of manufacturing processes and materials as they apply to contemporary industrial products. May not be taken for credit by ITD majors.

DEPARTMENT:

Institute of Engineering

EGD130 - Manufacturing Processes and Materials
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of manufacturing processes and materials as they apply to contemporary industrial and consumer products. For ITD majors only or permission of chair. Lecture and laboratory-five contact hours.

DEPARTMENT:

Institute of Engineering

EGD204 - Parametric Modeling and Rendering
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An intermediate course in the theory and practical application of computer aided design. Emphasis will be on the planning and operational techniques required producing parametric models with corresponding photo-realistic renderings. This course includes hands-on experience on interactive graphics equipment. Two hours lecture and three hours laboratory. ITD majors only.

Prerequisites

EGD 104

DEPARTMENT:

Institute of Engineering

EGD205 - Computer Graphics Application
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey course in the current theory and practice of computer-generated graphics. The application of micro and mainframe computers as a tool for figurative and abstract drawing, graphics, graphing and technical drafting.

DEPARTMENT:

Institute of Engineering

EGD221 - Design Visualization
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Application of art elements and principles of design to everyday living. Lecture, two hours; laboratory, two hours.

DEPARTMENT:

Institute of Engineering

EGD240 - Woodworking Design and Practices
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Fundamental instruction in woodworking materials, design, planning procedures, hand tool use, machine tool operations, construction techniques and safety principles and practices. This is a practical course for the beginner and woodworker with intermediate knowledge and skill. Lecture and laboratory.

DEPARTMENT:

Institute of Engineering

EGD241 - Woodturning
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Spindle, face plate, chucking operations and procedures involved in woodturning. Experiences in designing, turning and finishing. For beginning woodturners and those who want to improve their skill. No prerequisite. Lecture and laboratory.

DEPARTMENT:

Institute of Engineering

EGD251 - Equipment
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Selection, use, and care of materials and equipment used in the home, principles of kitchen and laundry planning. Lecture, two hours; laboratory two hours.

DEPARTMENT:

Institute of Engineering

EGD252 - Housing and The Family
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Housing alternatives, constraints, norms, needs, and selection; comparison of economic factors of various types of shelter; procedure for purchasing shelter.

DEPARTMENT:

Institute of Engineering

EGD253 - Interior Design Studio I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Studio problems in interior design. Programming, basic drawing skills and application of art elements and principles of design in solving interior design problems. Emphasis is on developing basic drawing skills for presenting design solutions. Laboratory, four hours.

Prerequisites

EGD 221

DEPARTMENT:

Institute of Engineering

EGD254 - Furniture Construction and Finishes
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

A study of construction and finishing techniques used in the furniture industry. Lecture two hours.

DEPARTMENT:

Institute of Engineering

EGD300 - Industrial Product Design
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Design principles relative to industrial products. Principles of functional, structural and visual design. Lecture and laboratory.

Prerequisites

EGD 101 and 130

DEPARTMENT:

Institute of Engineering

EGD302 - Applied Engineering Drawing
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Applied engineering problem-solving techniques, calculations of coordinate tolerance stacks for product engineering, principles and practices as applied to: mechanical engineering product design, thread specification, piping, weldment and sheet metal developments. This course emphasizes technical/engineering sketching and CAD. Lecture and laboratory-six contact hours.

Prerequisites

EGD 101 or 107 and 104; EGD majors only

DEPARTMENT:

Institute of Engineering

EGD303 - Advanced Parametric Modeling
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An advanced course in the theory and application of computer aided system for parametric drafting and design manufacturing. Two hours lecture and four hours laboratory. (Spring)

Prerequisites

EGD 204

DEPARTMENT:

Institute of Engineering

EGD305 - Sketching and Industrial Blueprint Reading
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Technical sketching fundamentals as applied to the needs of industrial shop personnel and field technicians. Emphasis is placed on the readings and interpreting of selected types of industrial drawings.

DEPARTMENT:

Institute of Engineering

EGD306 - Engineering Graphics
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Orthographic projection with an emphasis on auxiliary projection and descriptive geometry. Descriptive geometry theory and techniques are used to solve applied engineering problems. Lecture and laboratory-six contact hours. (Spring)

Prerequisites

EGD 202

DEPARTMENT:

Institute of Engineering

EGD309 - Engineering Models Design and Construction
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

A course in the principles of design and construction of scale model representation of engineering, architectural, and related structures, including materials and processes.

Prerequisites

EGD 101 and 130

DEPARTMENT:

Institute of Engineering

EGD322 - Introduction to Plastics
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Industrial plastics and polymer sciences. Experience with plastic materials and manufacturing methods. Lecture and laboratory.

Prerequisites

EGD 101 and 130

DEPARTMENT:

Institute of Engineering

EGD330 - Machine Tool Processes
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study in the shaping of metallic products using traditional and computer numerical control processes and equipment. Includes examination of precision measuring methods, cutting tools properties and methods required in achieving an efficient, economical, and safe material removal process. Lecture and laboratory-six contact hours.

Prerequisites

EGD 130

DEPARTMENT:

Institute of Engineering

EGD333 - ANSI Fundamentals for Mechanical Product Design
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Focuses on the intermediate technical fundamentals of ANSI standards applicable to mechanical product design and engineering graphics. Engineering sketching and 3D parametric modeling will be emphasized. Two hours lecture and four hour laboratory. (Spring)

Prerequisites

EGD 204, 330, and ITD 302

DEPARTMENT:

Institute of Engineering

EGD350 - Construction Systems
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of the construction industry theory and practice. Emphasis is placed on the structural and mechanical systems in single-family detached dwellings and non-residential light commercial civil construction projects. Lecture and laboratory-six contact hours.

Prerequisites

EGD 101 or CMA 107 and EGD 130

DEPARTMENT:

Institute of Engineering

EGD351 - Materials and Textiles for Interiors
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Consumer-oriented study of textiles emphasizing fibers, yarns, fabric construction and finishes in relation to use, serviceability and care of apparel and household fabrics.

DEPARTMENT:

Institute of Engineering

EGD352 - History of Interiors I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of architecture and interiors from ancient times to 1800. Emphasis is on furnishings, interior architectural details, accessories, materials, significant designers and architects of the periods, and current sources of reproductions of furniture and accessories.

DEPARTMENT:

Institute of Engineering

EGD353 - Interior Design Studio II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of and practical experience in space planning of residential interiors. Emphasis is on functional, aesthetic and economic considerations, materials and codes; perspectives and color board preparation techniques. Graphic and oral presentations of interior design projects. Laboratory, four hours.

Prerequisites

EGD 104 and 253

DEPARTMENT:

Institute of Engineering

EGD356 - Practical Problems in Interior Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Hands-on experience in implementing plans for diverse background treatments for residential and commercial interiors using a variety of materials in a laboratory setting. Design and produce accessory and display items; develop estimates; practice installation techniques.

Prerequisites

EGD 221, 251, 253, and 352

DEPARTMENT:

Institute of Engineering

EGD357 - Interior Design Studio III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Preparation of portfolio plus self-initiated, large-scale, complex interior design project. Emphasis is on synthesizing all learning to date and critiquing work. Presentation of complete project and portfolio. Lecture and tutorial.

Prerequisites

EGD 353

DEPARTMENT:

Institute of Engineering

EGD368 - Computer-Aided Manufacturing and Robotics
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of basics of computer-aided manufacturing; computer numerical control (CNC), computer aided design and machining (CAD/CAM) and robotics applications in manufacturing. Laboratory work in manual and automatic programming and setup of CNC machines and robots.

Prerequisites

EGD 101 and 130; junior standing

DEPARTMENT:

Institute of Engineering

EGD403 - Product and Tooling Design
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course utilizes parametric, feature-based, solid modeling software and techniques applied to problem solving and representation of product and tooling components and assemblies. Emphasis is placed on dimensioning, geometric dimensioning and tolerancing, 3-D modeling and design of mechanical devices, and principles of tooling design. Lecture and laboratory-six contact hours. (Fall)

Prerequisites

EGD 303, 330, and 333

DEPARTMENT:

Institute of Engineering

EGD404 - Computer-Aided Engineering Design Graphics
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

The utilization of state-of-the-art computer applications focusing on industrial product and tooling design. Design modeling techniques will be addressed that reduce product cost by taking into account quantified design parameters defined as a result of manufacturing processes and geometric tolerancing. Theory and applications of geometric dimensioning and tolerancing for industrial product and tooling design will be applied. Discussions of design criteria and print/design file interpretation. A review of product design communications as applied by product designers, tooling designers, setup and production personnel and quality assurance/verification specialists.

Prerequisites

EGD 204 and 333

DEPARTMENT:

Institute of Engineering

EGD420 - Equipment Maintenance and Materials Processing
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Maintenance and adjustment of industrial machinery and equipment such as (but not limited to) metalworking, woodworking and drafting equipment. Theory and activities in the design, materials, and equipment of durable goods manufacturing industries. Emphasis on modern production materials, robotics, CNC, and production design systems.

Prerequisites

EGD 130 and 330

DEPARTMENT:

Institute of Engineering

EGD431 - Advanced Numerical Control and CAD/CAM
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of programming machine tools through the application of computer aided manufacturing (CAM) software. Course will include experiences in 2D and 3D programming systems ' drilling, milling and turning operations. Economic analysis of computer aided manufacturing will be reviewed. Six contact hours.

Prerequisites

EGD 368 and a CAD class

DEPARTMENT:

Institute of Engineering

EGD450 - Problems in Housing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Analysis of family housing needs for contemporary living. Selected topics will be chosen from these major areas: home energy needs and energy conservation, housing and interiors for special needs groups, housing for low-income families, and practical problems in interior design. May be repeated for a maximum of six credits.

Prerequisites

Senior standing

DEPARTMENT:

Institute of Engineering

EGD452 - History of Interiors II
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

A study of architecture and interiors from 1800 through the present time. Emphasis is on French, English and American styles, significant designers and architects, international movements influencing designs, product quality and furnishing resources. Laboratory, four hours.

Prerequisites

EGD 352

DEPARTMENT:

Institute of Engineering

EGD453 - Interior Design Studio IV
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Application of elements and principles of design in planning public interiors. Business practices and professional ethics included.

Prerequisites

EGD 357

DEPARTMENT:

Institute of Engineering

EGD454 - Studio Problems in Interior Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Studio problems in interior design. Practical problems with historical and contemporary interiors. Issues include environmental concerns, economics, special needs, quality and sources of materials. Experience with renderings, cost estimates and specifications. Graphic and oral presentation of designs. Laboratory, four hours.

Prerequisites

EGD 104, 221, 251, 253, and 353

DEPARTMENT:

Institute of Engineering

EGD455 - Interior Design Studio V
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Analysis of shelter needs for handicapped and elderly persons. Synthesis of needs into design of facilities, both residential and commercial, to meet these needs emphasis on universal design. Specifications for and cost estimates of design features.

Prerequisites

EGD 453

DEPARTMENT:

Institute of Engineering

EGD458 - Professional Support
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course provides the student the opportunity to interact with professionals in the interior design field by participating in dialogue with interior designers at seminars, design firms, and professional meetings. Course may be repeated for a maximum of three credit hours.

DEPARTMENT:

Institute of Engineering

EGD459 - Professional Practice
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A review course for the National Council for Interior Design Qualification (NCIDQ) exam to become a professional member of the American Society of Interior Designers (ASID) and the National Kitchen and Bath (NKBA) exams and for becoming a certified kitchen and/or bath designer. Timed problem solving drawing exams and objectives exams over specific sections of knowledge will be administered. This course is intended for seniors in the interior design option.

DEPARTMENT:

Institute of Engineering

EGD492 - Plant Layout and Material Handling
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the arrangement of physical facilities and materials handling to optimize the interrelationships among operating personnel, material flow, information flow, and the methods required in achieving enterprise objectives efficiently, economically, and safely. (Spring)

Prerequisites

Junior standing

DEPARTMENT:

Institute of Engineering

EGD498 - Senior Design
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Study of product design principles, production methods and simultaneous manufacturing techniques. Laboratory activities are centered around the design and prototyping a product. Lecture and laboratory-six contact hours.

Prerequisites

EGD 403

DEPARTMENT:

Institute of Engineering

EGD504 - Advanced Study in Computer Aided Drafting/Design
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An advanced course in the theory and application of computer aided systems for the drafting and design field. Lecture and laboratory.

Prerequisites

ITD 304

DEPARTMENT:

Institute of Engineering

EGD522 - Industrial Plastics
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Materials and processes used in plastics manufacturing industries; includes mold design and construction. Lecture and laboratory.

DEPARTMENT:

Institute of Engineering

EGD531 - Numerical Control/Computer NC Machining Systems
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of automatic manufacturing by NC/CNC. Technical, social and economic aspects of NC/CNC machining systems. Laboratory work in manual and computer-assisted numerical control programming. Setup and operation of machines. Six contact hours.

DEPARTMENT:

Institute of Engineering

EGD532 - Metallurgy
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Structure, properties, behavior and use of metals. Laboratory analysis and research. Lecture and laboratory.

DEPARTMENT:

Institute of Engineering

EGD533 - Technology andProduction Tooling
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Machine setups, tooling and inspection procedures. Lecture and laboratory.

Prerequisites

EGD 531 or 532

DEPARTMENT:

Institute of Engineering

EGD541 - Industrial Wood Fabrication
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Material, equipment, processes and nomenclature of the woods manufacturing industry; emphasis on design and planning for production. A study of both traditional and innovative wood processing techniques.

Prerequisites

ITD 341

DEPARTMENT:

Institute of Engineering

EGD601 - Advanced Engineering Drawing
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Current and emerging theories and practices in the identification of course content and the teaching of projection theory, two- and three-dimensional representation and problem-solving techniques. Lecture and laboratory.

DEPARTMENT:

Institute of Engineering

EGD602 - Technical Illustration
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Illustration drawing, rendering and creative techniques related to illustration.

DEPARTMENT:

Institute of Engineering

EGD603 - Architectural Drafting and Design-Light Commercial
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Theory and practice in instrument and computer aided drafting and design for architectural structures. Topics will include the review and evaluation of existing designs, plans and specifications for nonresidential light commercial structures. Structures in the building code classifications of: assembly, business, and mercantile will be included. Program and design architecture will be included. Lecture and laboratory.

DEPARTMENT:

Institute of Engineering

EGD604 - Advanced Computer Graphics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Computer graphics applications to various industrial fields, problem-solving situations, design and research.

DEPARTMENT:

Institute of Engineering

EGD606 - Machine Design and Drawing
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Functional drawing practices, design considerations and problem-solving techniques as applied to machine and tooling situations.

DEPARTMENT:

Institute of Engineering

EGD621 - Plastics Technology
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Industrial plastics with emphasis on research and experimentation.

DEPARTMENT:

Institute of Engineering

EGD630 - Technology of Metals Processes
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Supplementary and comprehensive instruction in the technology related to the processes of forming, shaping, fastening and finishing of metal products. Emphasis on the design, function and efficiency of the processes involved. Lecture and laboratory.

DEPARTMENT:

Institute of Engineering

EGD631 - Research in Metal Technology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Experience in research and experimentation related to metals and metal working processes. Research activities center around group and individual laboratory experiences.

DEPARTMENT:

Institute of Engineering

EGD641 - Research in Wood Technology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Experimentation and research in adhesives, finishes, abrasives, woods and wood products; properties and application to school and industrial usage. Lecture and laboratory.

DEPARTMENT:

Institute of Engineering

EGD651 - Advanced Study in Manufacturing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The materials, processes, equipment, products and occupations relating to the manufacturing industry will be studied. The selection, design and production of typical products will be undertaken, using mass production techniques, drawing upon the experiences gained through courses in the technical specialization component. Lecture and laboratory.

DEPARTMENT:

Institute of Engineering

EGR: Engineering

EGR100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

PHY100T - Transitions

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Introduction to the EGR major, the engineering profession, the department, and the university. Graded pass/fail. (Same as PHY 100T.)

DEPARTMENT:

Institute of Engineering

EGR101 - Introduction to Engineering
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the field of engineering. Students learn about the engineering design process, engineering measurement, engineering economics, engineering ethics and engineering analysis tools. Career opportunities in a variety of engineering disciplines will also be presented and discussed.

DEPARTMENT:

Institute of Engineering

EGR140 - Introduction to Computing Applications in Science and Engineering
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course to introduce students to computational techniques employed in scientific, engineering, mathematical and statistical applications. A high-level programming language will be used in several related programming projects, including graphics. The course is designed to meet the needs of students in physics, engineering physics and related sciences in the use of the microcomputer as a tool for the solution of problems and in particular where graphics are required.

DEPARTMENT:

Institute of Engineering

EGR195 - Methods of Engineering Physics
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

An introduction to the application of basic tools and methods used in the engineering physics curriculum. Primary emphasis on the use of symbolic computational software packages (such as Mathcad) for organizing, performing, and visualizing complex or tedious calculations. Introduction of fundamental statistical definitions and methods of data analysis.

DEPARTMENT:

Institute of Engineering

EGR240 - Thermodynamics I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Fundamental engineering concepts of power systems, cooling systems and system efficiency. First and second law analysis. Entropy; exergy; reversible and irreversible processes. Ideal gases. Application to simple physical, chemical and engineering problems. Three lectures per week, incorporating laboratory activities for students and demonstrations as appropriate.

Prerequisites

PHY 235

Corequisites

MAT 308

DEPARTMENT:

Institute of Engineering

EGR259 - Statics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Force systems: moments, couples, equivalent force systems, distributed force systems. Equilibrium equations, free body diagrams, special cases of equilibrium, static indeterminacy, trusses, friction. For engineers. Three lectures per week.

Prerequisites

PHY 235

DEPARTMENT:

Institute of Engineering

EGR264 - Linear Circuits I
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

DC and AC steady state circuit analysis. Resistive circuits, Kirchhoff's laws, nodal and mesh analysis, loop analysis, Thevenin's and Norton's theorems, superposition, capacitors, inductors, diodes, and operational amplifiers. Also includes AC steady state circuit analysis using complex number algebra, introduction to three phase circuits, and computer simulation of steady state circuits. Three lectures per week plus laboratory.

Prerequisites

PHY 255

DEPARTMENT:

Institute of Engineering

EGR265 - Linear Circuits I Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The Linear Circuits laboratory will have exercises in the use of various measuring instruments and the use of electrical circuit simulation software. Experiments in DC (direct current) and AC (alternating current) electrical circuits, first order transient circuits, and single-phase power will also be included.

Prerequisites

PHY 255

Corequisites

EGR 264

DEPARTMENT:

Institute of Engineering

EGR310 - Fundamentals of Biomedical Engineering
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey course of the application of engineering concepts and techniques to the investigation and exploration of biomedical processes. Emphasis is placed on an understanding of the physical/mathematical models that form the design basis for biomedical sensors, instrumentation, imaging, and diagnostic tools. Some on-site experiences may be included at local medical facilities.

Prerequisites

EGR 264

DEPARTMENT:

Institute of Engineering

EGR320 - Fundamentals of Flight
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of the major aspects of aerospace engineering including aerodynamics, performance, stability, and control, orbital mechanics, propulsion, and aircraft structures. Lecture and laboratory activities will be integrated throughout the course.

Prerequisites

PHY 235 and 236

DEPARTMENT:

Institute of Engineering

EGR330 - Dynamics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of motion and forces with application to engineering systems. Planar and three-dimensional kinematics and kinetics of a particle and of rigid bodies; equations of motion; work and energy; impulse and momentum; vibrations. Three lectures per week.

Prerequisites

PHY 235

DEPARTMENT:

Institute of Engineering

EGR340 - Wave Analysis of Dynamic Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The analysis of vibrating and oscillating systems are introduced and developed in applications to mechanical systems, electric circuits, optics, acoustics, and quantum theory. Necessary mathematical and computational tools required for this study are also introduced as needed. The course is designed to serve as a transition between the introductory survey courses and the more rigorous advanced courses in physics and engineering.

Prerequisites

PHY 255

DEPARTMENT:

Institute of Engineering

EGR342 - Thermodynamics II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Gas mixtures, air-water vapor mixtures. Air conditioning system design. Principles and design of energy conversion devices, power and refrigeration cycles. Principles of combustion, chemical equilibrium, one-dimensional gas dynamics. Applications to typical engineering problems.

Prerequisites

EGR 240

Corequisites

MAT 309

DEPARTMENT:

Institute of Engineering

EGR344 - Fluid Mechanics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Fundamental principles and applications of hydrostatics and fluid flow for engineers. Three lectures per week, incorporating laboratory activities for students and demonstrations as appropriate. Cannot be taken for graduate credit by physics majors.

Prerequisites

EGR 240

Corequisites

MAT 411

DEPARTMENT:

Institute of Engineering

EGR346 - Heat Transfer
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Basic principles and applications of heat transfer for engineers. Problems in convection-, conduction-, and radiation-transfer. Three lectures per week, incorporating laboratory activities for students and demonstrations as appropriate.

Prerequisites

EGR 240

Corequisites

MAT 411

DEPARTMENT:

Institute of Engineering

EGR359 - Mechanics of Materials
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of stress and strain in deformable solids; tension and compression of axial members; stress and strain transformations; stress-strain relations; torsion of shafts; bending of beams; buckling of columns. Three lectures per week, incorporating laboratory activities for students and demonstrations as appropriate.

Prerequisites

EGR 259

Corequisites

MAT 308

DEPARTMENT:

Institute of Engineering

EGR360 - Electric Machines
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Fundamentals of electromechanical energy conversion. Performance and operating characteristics of AC and DC machinery. DC motors and generators, single-phase and three-phase transformers, the three-phase induction motor, and synchronous motors and generators.

Prerequisites

EGR 264

DEPARTMENT:

Institute of Engineering

EGR363 - Signal and Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course discussing analytical methods of transient phenomena in circuits and convolution integral, Fourier series and transform, Laplace transform, and state-space methods. Topics include impulse response, transfer functions, energy spectra, filtering, and applications to networks and controls.

Prerequisites

EGR 264

DEPARTMENT:

Institute of Engineering

EGR365 - Linear Circuits II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

DC and AC transient circuit analysis. First and second order circuit solutions using differential equations, Fourier Series, Laplace and Fourier transforms. Also includes magnetically coupled circuits, variable frequency circuits, and transistor switching.

Prerequisites

EGR 264

DEPARTMENT:

Institute of Engineering

EGR366 - Analog Electronics I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Transistor amplifiers, feedback circuits, filters, frequency response of circuits, power supplies and switching circuits. Computer simulations of circuits will be emphasized.

Prerequisites

EGR 264

DEPARTMENT:

Institute of Engineering

EGR375 - Material Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory study of the science of materials utilization, structure of solid phases, the atomic and electrical processes in solids.

Prerequisites

PHY 255

DEPARTMENT:

Institute of Engineering

EGR376 - Computational Analysis of Engineering Applications
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course for development of programming skills using modern software tools including advanced structures such as lists, 2-D arrays and graphical user interfaces. The course applies programming techniques to a variety of engineering and scientific applications. Matlab programming is introduced and applied to a variety of engineering and scientific applications.

Prerequisites

EGR 140 or equivalent

DEPARTMENT:

Institute of Engineering

EGR378 - Logic Design I
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Introduction to digital logic design techniques: binary arithmetic, Boolean algebra, combinational and sequential circuits, registers, counters, memory units and programmable devices. Three lectures and two hours of laboratory per week.

Prerequisites

EGR 140 or knowledge of a high-level computing language and PHY 255

DEPARTMENT:

Institute of Engineering

EGR379 - Logic Design II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Design of digital systems. Topics include CPU control and timing, machine organization, instruction set architecture, addressing modes, I/O interfaces, cache memory and virtual memory.

Prerequisites

EGR 378

DEPARTMENT:

Institute of Engineering

EGR388 - International Experience in Engineering
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A short-term (10-14 day) study abroad experience highlighting selected historical and modern contributions to engineering and physics from another country and culture.

DEPARTMENT:

Institute of Engineering

EGR390 - Engineering Measurements
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

General considerations of signals and utilization of instruments to measure physical properties of systems. Review and introduction of useful mathematical concepts such as statistical data analysis. Introduction to digital data acquisition and signal processing. Application to the design of instruments which measure displacement, motion, count, strain, force, pressure, level, fluid flow and temperature.

Prerequisites

EGR 264

Corequisites

MAT 338

DEPARTMENT:

Institute of Engineering

EGR392 - Nondestructive Testing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will introduce various methods of Nondestructive Testing (NDT) and analyze its role in industry.

Prerequisites

MAT 250, PHY 255, and 256

DEPARTMENT:

Institute of Engineering

EGR398 - Principles of Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The task of engineering design, which includes the formulation of the problem, creative approaches to design problem solution, analysis, material selection and economics, is considered in design decisions from conception to final product.

Prerequisites

Working knowledge of a high level computer language and junior standing or permission of the instructor

DEPARTMENT:

Institute of Engineering

EGR420 - Aerodynamics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the characteristics and dynamics of air flow over aerodynamic shapes. Emphasis is placed on theoretical and experimental descriptions of inviscid, incompressible flow over airfoils and finite wings. Compressible flow is also introduced. Lecture and laboratory activities will be integrated throughout the course.

Prerequisites

EGR 240, MAT 309

DEPARTMENT:

Institute of Engineering

EGR422 - Propulsion
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the characteristics and design of air and spacecraft propulsion systems. The course includes analysis and discussion of gas turbine and rocket engine configurations. An overview of compressible flow is included for use in this analysis. Lecture and laboratory activities will be integrated throughout the course.

Prerequisites

EGR 344 or EGR 420

DEPARTMENT:

Institute of Engineering

EGR425 - Bio-inspired Intelligent Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the computational intelligence approaches that are based on biological systems. Examples of such systems are artificial neural networks, genetic algorithms, and swarm intelligence.

Prerequisites

EGR 140 and consent of instructor

DEPARTMENT:

Institute of Engineering

EGR430 - Mechanical Vibrations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will cover fundamental concepts on the vibration of mechanical systems to include: systems with one degree of freedom, Lagrange's equations of motion for multi-degree of freedom systems, natural frequencies and modes of vibrations, resonance, beat phenomenon, and effect of damping. Free and forced vibrations of mechanical systems with lumped inertia, springs, and dampers are the primary emphases.

Prerequisites

EGR 330

DEPARTMENT:

Institute of Engineering

EGR433 - Control Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will involve the control of linear systems with emphasis on linear system dynamics, time and frequency response, stability analysis, classical control theory, and design applications.

Prerequisites

EGR 330 and EGR 363

DEPARTMENT:

Institute of Engineering

EGR440 - Thermal and Fluid Systems Laboratory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This engineering laboratory explores measurements in fluid and thermal applications. These applications include the basic concepts for measurement devices and their performance characteristics; measurement of fluid and thermal properties; calibration procedures and experimental design; and experiments in thermodynamics, fluid dynamics, and heat transfer including laboratory work and report writing.

Prerequisites

EGR 240

Corequisites

EGR 390 and MAT 338

DEPARTMENT:

Institute of Engineering

EGR450 - Mechanics and Materials Laboratory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This engineering laboratory explores measurements in materials science and mechanics of materials including basic concepts for measurement devices and their performance characteristics. The laboratory will include activities such as: measurement of material properties, calibration procedures, experimental design, and report writing.

Prerequisites

EGR 375

Corequisites

EGR 359 and MAT 308

DEPARTMENT:

Institute of Engineering

EGR459 - Mechanical Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Fundamentals of mechanical design, with methods of approximation. Introduction to optimum design considerations and statistical variations within the engineering design process. Synthesis and problems on the design of various mechanical elements.

Prerequisites

EGR 359

DEPARTMENT:

Institute of Engineering

EGR460 - Electricity and Magnetism I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

PHY460 - Electricity and Magnetism I

Description

Electric fields, potential, dielectrics, steady currents, magnetic fields and electromagnetic induction. (Same as PHY 460)

Prerequisites

PHY 255, MAT 338

DEPARTMENT:

Institute of Engineering

EGR461 - Electricity and Magnetism II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

PHY461 - Electricity and Magnetism II

Description

Magnetic materials, alternating currents, transient phenomena, electromagnetic radiation. (Same as PHY 461)

Prerequisites

ERG 460

DEPARTMENT:

Institute of Engineering

EGR462 - Fields and Waves
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

PHY462 - Fields and Waves

Description

The course involves a comprehensive study of fields and waves by exploring electrostatic and magnetostatic fields, Maxwell's equations, plane waves, transmission lines, and applications of electromagnetic theory. Additional topics include waveguides, antennas, and radiation. (Same as PHY 462.)

Prerequisites

PHY 255/256 and MAT 309

Corequisites

MAT 338

DEPARTMENT:

Institute of Engineering

EGR463 - Electric Power Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course investigates electric power systems including balanced power systems at steady-state conditions. Problem solution techniques include power-flow studies, the one-line diagram, and the per-unit system. Modeling and calculations are done for transformers, generators and transmission lines. Bus admittance, impedance matrices and elements of power factor correction are used in network calculations.

Prerequisites

EGR 264

DEPARTMENT:

Institute of Engineering

EGR466 - Power Electronics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is a study of power electronics for engineers. DC-DC converters, DC-AC inverters, single-phase and three-phase rectifiers, and motor drives are analyzed. Other topics include voltage source inverters, inductor design, and the design of power supplies. Residential, industrial, and electric utility power electronics applications are included, such as building and simulations power electronics circuits.

Prerequisites

EGR 363

DEPARTMENT:

Institute of Engineering

EGR468 - Digital Signal Processing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Discrete-time signals and systems; Sampling and aliasing; Discrete Fourier Transform; Z-Transforms; FIR and IIR filter design techniques; Current applications of digital signal processing.

Prerequisites

EGR 264

DEPARTMENT:

Institute of Engineering

EGR469 - Digital Signal Processing Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Laboratory to accompany EGR 468.

Prerequisites

EGR 264

Corequisites

EGR 468

DEPARTMENT:

Institute of Engineering

EGR488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and education objectives of the student for which he/she may receive academic credit and possible financial remuneration. Student must address engineering topics that involve the creative application of math science concepts. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Institute of Engineering

EGR489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and education objectives of the student for which he/she may receive academic credit and possible financial remuneration. Student must address engineering topics that involve the creative application of math science concepts. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of chair

DEPARTMENT:

Institute of Engineering

EGR498 - Senior Engineering Design I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will work together in small teams to design and analyze a project selected from an approved list with construction of a prototype, scale model or simulation to be completed in EGR 499. Completion of the design and analysis will demonstrate an understanding of multiple engineering disciplines and application of the design process. Students will also become familiar with basic elements of engineering economics. Students will demonstrate communication skills through individual design reports, team design reports, project drawings, and group presentations.

Prerequisites

Senior standing in the program

DEPARTMENT:

Institute of Engineering

EGR499 - Senior Engineering Design II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will continue with teams from EGR 498 to produce and test a prototype, scale model, or simulation to illustrate the functionality of their design. The final product includes a final design report and complete specification, from which a production model could be produced. Engineering professionalism and ethics are discussed. The senior exit exam is also administered as a part of this course and in preparation for the fundamentals of engineering exam.

Prerequisites

EGR 498

DEPARTMENT:

Institute of Engineering

EGR515 - Special Topics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Topics of current interest in engineering. Delivery methods may include lecture, seminar, directed study, and laboratory. Course content addresses engineering topics that involve the creative application of math and science concepts. May be repeated for credit as difference topics are offered.

DEPARTMENT:

Institute of Engineering

EGR520 - Independent Study
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Supervised reading course in specialized topics for upper-division student of high standing. Course content addresses specialized engineering topics that involve the creative application of math and science concepts. May be repeated for a maximum of three hours.

Prerequisites

Engineering physics, physics or applied physics and permission of instructor

DEPARTMENT:

Institute of Engineering

EGR567 - Communications Systems
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Filtering and signal bandwidth. Introduction to information theory, encoding and decoding, linear and digital electronic implementation. Two hours of laboratory per week.

Prerequisites

EGR (PHY) 366.

DEPARTMENT:

Institute of Engineering

EGR590 - Mathematical Methods in Physics and Engineering I

CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

PHY590 - Mathematical Methods in Physics and Engineering I

Description

Applications of mathematics to physical and engineering problems, curvilinear coordinates, analytic functions, transform theory, convolutions, Fourier series. (Same as PHY 590.)

Prerequisites

MAT 338; EGR 330 or PHY 330

DEPARTMENT:

Institute of Engineering

EGR591 - Mathematical Methods in Physics and Engineering II

CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

PHY591 - Mathematical Methods in Physics and Engineering II

Description

Solutions of partial differential equations, special functions, Green's function. (Same as PHY 591.)

Prerequisites

PHY 590

DEPARTMENT:

Institute of Engineering

EGR599 - Senior Research
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

PHY599 - Senior Research

Description

Introduction to research practices, periodicals and literature of physics. Problems arranged individually with faculty members. Formal, scientific report of work required. (Same as PHY 599.)

Prerequisites

Senior standing and permission of faculty

DEPARTMENT:

Institute of Engineering

ELE: Elementary Education

ELE301 - Language and Early Literacy for Early Childhood
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course focuses on the child's emerging literacy and exposure to language stimulation. Combining research, reflection and early childhood practices, the course fosters an understanding of how techniques and activities affect language and early literacy skills development in young children infancy through five years of age with and without disabilities. Field experiences required.

Prerequisites

EDU 180

DEPARTMENT:

Early Childhood and Elementary Education

ELE302 - Music and Movement for Young Children
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth exploration of developmentally appropriate music and movement experiences for young children infancy through five years of age. Students will develop skills to assist young children with and without disabilities in producing, recognizing and creating simple songs, playing with melody, and expressing feelings through music and movement.

DEPARTMENT:

Early Childhood and Elementary Education

ELE308 - Teaching Mathematics and Science in Early Childhood
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is a study of mathematics and science curriculum and research-based teaching practices for early childhood. Field experience required.

DEPARTMENT:

Early Childhood and Elementary Education

ELE310 - Classroom Environment and Student Engagement for Elementary
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course explores the importance of creating a positive and productive elementary classroom environment that actively engages all students and promotes learning for all. Students will develop an understanding of developmentally appropriate practices, motivational theories, teacher-student interactions, and strategies for addressing the needs of a diverse student population. Field experience is required for this course.

Prerequisites

EDU 280

DEPARTMENT:

Early Childhood and Elementary Education

ELE311 - Health, Wellness and Movement
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course explores how a mixture of content and pedagogy in physical education relate to the elementary classroom teacher. Emphasis is placed on teaching future teachers how to teach health, wellness, and movement concepts to children in the classroom.

DEPARTMENT:

Early Childhood and Elementary Education

ELE320 - Child Guidance
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to familiarize student with developmentally appropriate guidance strategies for preschool children in inclusive settings. Weekly lecture and field experiences are required.

DEPARTMENT:

Early Childhood and Elementary Education

ELE321 - Program Planning for Preschool Children
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course introduces the knowledge base and practical strategies used to teach preschool children in effective and appropriate ways. This course focuses specifically on developing the skills to design and implement effective instruction based on developmentally appropriate practices and culturally responsive teaching methods, on integrating curriculum content areas (e.g., literacy, mathematics, science, music, movement, and art), and on establishing partnerships with parents and families. Furthermore, this course provides opportunities to practice and refine these skills and techniques in a preschool classroom. This course consists of weekly lecture and weekly field experiences.

DEPARTMENT:

Early Childhood and Elementary Education

ELE379 - Approaches to Teaching in IECE Environments
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will examine early childhood approaches to teaching, play-based learning, and the design, implementation, and assessment of instruction with the diverse young learner in mind. Teacher candidates will synthesize knowledge of learning theories, technology, and developmentally appropriate practices to develop units of study and lesson plans. The course will introduce candidates to federal laws and guidelines addressing diverse students. Clinical experiences required.

Prerequisites

EDU 180 and EDU 280 or equivalent course with a B or higher

DEPARTMENT:

Early Childhood and Elementary Education

ELE390 - Introduction to Kindergarten
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides a study of the background and evolution of kindergarten, organization of the kindergarten environment, development of kindergarten age children, and developmentally appropriate practices and learning opportunities within a kindergarten classroom.

Prerequisites

EDU 180

DEPARTMENT:

Early Childhood and Elementary Education

ELE410 - Collaboration and Communication in IECE Environments
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Examines collaboration processes involving early childhood professionals, families of children with and without disabilities, and other community resource personnel. Communication skills needed to function effectively in interdisciplinary early childhood education environments are a primary focus. The course also addresses topics that are critical to the practitioner's professional development including reflective thinking, ethics, and advocacy. Field experiences required.

Prerequisites

EDU 180 and FCS 250

DEPARTMENT:

Early Childhood and Elementary Education

ELE411 - Elementary Social Studies Methods
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of the content, methods, and materials for the teaching of social studies at the elementary level. Topics include the integration of subject areas, technology, thinking skills, and citizenship education. Clinical experiences required.

Prerequisites

EDU 380 and admission to teacher education

DEPARTMENT:

Early Childhood and Elementary Education

ELE413 - Elementary Science Methods
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of content, materials, and methods of teaching science at the elementary level with an emphasis on discovery, inquiry, and STEM integration. Clinical experiences required.

Prerequisites

EDU 380 and admission to teacher education

DEPARTMENT:

Early Childhood and Elementary Education

ELE414 - Teaching Elementary Mathematics in Grades K-2
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the structure of mathematics, materials, and methods which build insight and skill in the area of teaching mathematics to elementary students in kindergarten through grade 2. Clinical experiences required.

Prerequisites

EDU 380 and admission to teacher education

DEPARTMENT:

Early Childhood and Elementary Education

ELE415 - Teaching and Learning Math in Elementary School (Grades 3-5)
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the structure of mathematics, materials, strategies, assessment, and methods which build insight and skill in the areas of teaching and learning of mathematics in the elementary school. There will be an emphasis on content/pedagogy appropriate for grades 3-5. Clinical experiences required.

Prerequisites

Admission to teacher education

DEPARTMENT:

Early Childhood and Elementary Education

ELE421 - Student Teaching Elementary P-5, IECE
CREDITS:

7 - 14

COURSE LEVEL:

Undergraduate

Description

Student teaching in the elementary school should allow the individual to participate in the work and duties of the school that are generally expected of the classroom teacher. These will be a 2, 7-week placements. May be repeated for up to 14 credit hours. Student teachers will be supervised by a public school teacher as well as a university coordinator. Graded pass/fail.

Prerequisites

Admission to Teacher Education and Student Teaching

DEPARTMENT:

Early Childhood and Elementary Education

ELE439 - Early Childhood Assessment and Program Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will develop skills in observing children birth through five years of age and in conducting developmental screenings, evaluations and assessment. Student will develop skills in creating and implementing individual education programs and individualized family service plans and in monitoring child progress. Students will complete curriculum based assessment and program evaluation.

Prerequisites

SED 526 and admission to Teacher Education

DEPARTMENT:

Early Childhood and Elementary Education

ELE455 - Curriculum and Methods for Infants and Toddlers
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth look at care and education for infants and toddlers including children with disabilities and children from diverse backgrounds. Major emphasis is placed on methods to provide quality care to meet physical, emotional, cognitive and social needs of infants and toddlers while working collaboratively with families and other community agencies and service providers. Current best practices in education of infants and toddlers will be reviewed. Field experiences will be required.

Prerequisites

ELE 379 and FCS 250

DEPARTMENT:

Early Childhood and Elementary Education

ELE474 - IECE Practicum I
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

This course makes provisions for students to participate in all activities generally expected of an interdisciplinary early childhood education professional. Supervision by the faculty member teaching course will be provided. Regularly scheduled seminars to promote reflective decision-making, discuss student progress and provide additional training in methods, procedures, and evaluation will coincide with the practicum field experiences.

Prerequisites

Admission to Teacher Education

Corequisites

EDU 480

DEPARTMENT:

Early Childhood and Elementary Education

ELE475 - IECE Practicum II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course makes provisions for students to participate in all activities generally expected of an early childhood professional. Supervision by the instructor teaching the course will be provided. Regularly scheduled conferences to promote reflective decision-making, discuss student progress, and provide additional training in methods, procedures, and evaluation will coincide with the practicum field experience.

Prerequisites

Admission to Teacher Education

Corequisites

EDU 485

DEPARTMENT:

Early Childhood and Elementary Education

ELE481 - Clinical Experience for Elementary School Teachers I
CREDITS:

0 - 1

COURSE LEVEL:

Undergraduate

Description

This concentrated practicum experience for elementary education teacher candidates focuses upon planned and supervised teaching experiences in elementary classrooms. Extensive clinical experiences required.

Corequisites

EDU 408, REA 404, 405, 406

DEPARTMENT:

Early Childhood and Elementary Education

ELE486 - Clinical Experience for Elementary School Teachers II
CREDITS:

0 - 2

COURSE LEVEL:

Undergraduate

Description

This concentrated practicum experience for elementary education teacher candidates focuses upon planned and supervised teaching experiences in elementary classrooms. Extensive clinical experiences required.

Corequisites

EDU 485, ELE 411 and 413

DEPARTMENT:

Early Childhood and Elementary Education

ELE602 - Integrating Language Arts in the Curriculum
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the use of reading, writing, listening, speaking, viewing, and visually representing to aid learning in all content areas.

DEPARTMENT:

Early Childhood and Elementary Education

ELE604 - Advanced Studies in Early Childhood Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides philosophical, theoretical, historical, and empirical bases of the early childhood field, including current practices, various content areas, environments for learning, and approaches to teaching young children birth through age five. This course includes an overview of the historical roots of the field, development of the young child and resources for curriculum and professional development. Clinical experiences required.

DEPARTMENT:

Early Childhood and Elementary Education

ELE605 - Introduction to Interdisciplinary Early Childhood Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course designed for students entering the field of Interdisciplinary Early Childhood Education (birth to primary school) and students preparing for Kentucky Interdisciplinary Early Childhood Education teacher licensure. It addresses the philosophy of early childhood education, professional development of interdisciplinary early childhood educators, Kentucky Early Childhood Standards, and developmentally appropriate practice for infants, toddlers, preschoolers, and kindergarten age children. Field experiences required.

DEPARTMENT:

Early Childhood and Elementary Education

ELE606 - Supporting Children with Challenging Behavior
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course provides knowledge and skills for supporting the development of appropriate social and emotional skills in young children with challenging behaviors. Strategies that support positive interactions include collaboration with families, classroom prevention practices, and social-emotional teaching strategies.

DEPARTMENT:

Early Childhood and Elementary Education

ELE607 - Research in Early Childhood Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Designed to give teachers greater depth in understanding the principles of early childhood education by exploring the development of process and research substantiating current practice.

DEPARTMENT:

Early Childhood and Elementary Education

ELE612 - Infant-Toddler Practicum
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course is designed to provide opportunities for students seeking initial certification to participate in activities carried out by early childhood educators working with infants and toddlers with and without disabilities in early childhood settings. A university instructor will provide supervision throughout the required field experiences. Graded pass/fail.

DEPARTMENT:

Early Childhood and Elementary Education

ELE613 - Clinical Experiences IECE
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Students seeking initial certification in early childhood will participate in a supervised clinical experience. Graded pass/fail.

Prerequisites

Admission to teacher education and student teaching

DEPARTMENT:

Early Childhood and Elementary Education

ELE620 - Introduction to the Reggio Approach to Teaching and Learning
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will provide students with an overview of the principles and classroom applications of the Reggio Approach in the early childhood classroom. The roles of the teacher, children, parents, and the community in daily implementation of the approach will be explored.

DEPARTMENT:

Early Childhood and Elementary Education

EMT: Electromechanical Engineering Technology

EMT101 - Engineering Technology Applications
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the application of mathematical concepts taught in traditional mathematics courses as they apply to simple engineering technical systems. The course will use current analysis tools, such as MATLAB, to mathematically model and solve for design and performance characteristics of systems based on the basic concepts of physics in motion mechanics, electrical systems, and fluid and thermal systems.

DEPARTMENT:

Institute of Engineering

EMT110 - Electrical Systems I
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of the utilization of electricity as a source of energy and a method of information transmission. Basic DC and AC circuits, with introduction to the application of electro-magnetic fields. Lecture and laboratory provide learning experiences with basic test instruments, circuits and components. Three hours lecture and two hours lab.

Prerequisites

MAT 130 or 150

DEPARTMENT:

Institute of Engineering

EMT201 - Mechanical Devices
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to electro-mechanical component simulation programming used in mechatronics and automation control systems. The course will cover general programming concepts and methods using C or MATLAB to model and control electromechanical systems such as: embedded systems, automation controllers, and servo control systems.

Prerequisites

EMT 101

DEPARTMENT:

Institute of Engineering

EMT210 - Electrical Systems II
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A continuation of TSM 110 through the study of semiconductor devices and their applications, and particularly how electronic technology is applied to the field of data transfer and communications. Three hours lecture and two hours lab. (Fall)

Prerequisites

EMT 110

DEPARTMENT:

Institute of Engineering

EMT212 - Industrial Electronics
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of semiconductor diodes, transistors, FETs, four-layer devices, operational amplifiers, power devices, and digital devices as they are used in industrial control and signal amplification and processing. Three hours lecture and two hours lab.

Prerequisites

EMT 110

DEPARTMENT:

Institute of Engineering

EMT261 - Introduction to Fluid Power Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The study of the basic physical concepts behind fluid power generation, transmission and conversion. Common industrial hydraulic and pneumatic circuits are designed and analyzed using computer programming. Programmable logic controllers are introduced as a means of system control. Three hours lecture per week. (Fall)

Prerequisites

MAT 130 or MAT 140 or MAT 150

Corequisites

EMT 262

DEPARTMENT:

Institute of Engineering

EMT262 - Introduction to Fluid Power Systems Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Laboratory course must be taken concurrently with EMT 261. Two hours laboratory per week.

Prerequisites

MAT 130 or 140 or 150

Corequisites

EMT 261

DEPARTMENT:

Institute of Engineering

EMT305 - Electric Machinery and Controls
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of electric motors and their controls including the operating characteristics and applications of various dc and ac motors, electromechanical controls and electronic drives. Three hours lecture and two hours lab. (Spring)

Prerequisites

EMT 110

DEPARTMENT:

Institute of Engineering

EMT310 - Programmable Logic Controllers
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course will cover the techniques of utilizing the programmable logic controllers (PLCs) in the industrial environment. Hardware aspects, programming techniques, and interfacing situations will be covered. Three hours lecture and two hours lab. (Spring)

Prerequisites

EMT 305

DEPARTMENT:

Institute of Engineering

EMT312 - Industrial Instrumentation
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of electrical measurement and electromechanical control and includes signal conditioning, sensors, interfacing to final outputs, controller principles and control loop characteristics. Three hours lecture and two hours lab. (Fall)

Prerequisites

EMT 210 and 310

DEPARTMENT:

Institute of Engineering

EMT320 - Mechatronics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will cover designing, analyzing, and troubleshooting mechatronic systems, which require the integration of mechanical and electrical concepts. The laboratory-based experiences will prepare students to work with industrial automation systems. Topics covered in the course include: interfacing of software with hardware, digital logic, analog interfacing, measurement, and sensing; electromagnetic and optical transducers; control of mechatronic systems (e.g., robotic manipulators and vision tracking).

Prerequisites

EMT 261, 262, and 31

DEPARTMENT:

Institute of Engineering

EMT351 - Power Distribution
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A in-depth study of industrial and commercial power distribution including three-phase systems, transformers, cable and conduit, grounding, system protection and safety.

Prerequisites

EMT 110

DEPARTMENT:

Institute of Engineering

EMT365 - Dynamics for Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of motion of particles and rigid bodies and the effects of forces on bodies with acceleration. Topics included are kinematics of particles and rigid bodies, work and energy, impulse and momentum.

Prerequisites

EGD 102

DEPARTMENT:

Institute of Engineering

EMT455 - Industrial Networking Systems
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course is a capstone integration course design to apply manufacturing planning systems and manufacturing equipment control systems. This course will focus on the development and integration of local area networks and industrial control processes. The topics included in this course are: local area networks, industrial networks, programmable logic controllers, man machine interfaces, motor control device networks and supervisory control and data acquisition (SCADA) systems. Three hours lecture and two hours lab. (Fall)

Prerequisites

EMT 210

DEPARTMENT:

Institute of Engineering

EMT461 - Robotics and Motion Controls
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of motion control as applied to current production manufacturing and process systems. This course includes an introduction to the mathematics, electronics, and control theory required to understand these system. Non-servo hydraulic and pneumatic systems will be presented; however, the emphasis of the course is on closed-loop servo-mechanisms. The course is laboratory oriented with theoretical and design content presented at the appropriate time. (Spring)

Prerequisites

EMT 261, 262, 312; and EMT 365

DEPARTMENT:

Institute of Engineering

EMT462 - Machine Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Design of machines using bearings, belts, clutches, gears, springs and screws. Develops the application of the theory of working stresses, power transmission and lubrication to the analysis and design of machine elements. (Spring)

Prerequisites

CMA 298, EGD 102, and EMT 365

DEPARTMENT:

Institute of Engineering

ENG: English

ENG096 - Basic Writing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A writing skills course that emphasizes paragraph and essay development. The course is required for entering freshman with ACT English scores 16 or below and must be completed before enrollment in ENG 105. Advanced placement into ENG 105 is possible through Murray State University Center for Academic Success English assessment exams. Credit is earned in this course may not be counted toward graduation requirements.

DEPARTMENT:

English and Philosophy

ENG100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area ot major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

English and Philosophy

ENG105 - Critical Reading, Writing, and Inquiry
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Instruction and practice in close reading, research, and critical thinking as applied to academic writing, with emphasis on analysis, synthesis, and argument. ENG 101 in combination with ENG 102 will substitute for ENG 105. The combination of ENG 101 and 102 marks off ENG 105. ENG 105 marks off the combination of ENG 101 and 102. Only the last sequence completed (ENG 101/102 or ENG 105) will be calculated in the overall GPA and count towards hours earned.

Prerequisites

ENG 100 or English ACT of at least 18 and Reading ACT score of at least 20 or successful completion of REA 096 and 120

DEPARTMENT:

English and Philosophy

ENG107 - Teacher Bridge Writing Project
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

For Teacher Bridge Program participants only, this course helps prepare them to make the transition to a four-year university setting. Students improve their writing skills while exploring teacher education. May not be used for credit for ENG 101 or 102 or 104 or 105, but may count as an elective toward graduation.

DEPARTMENT:

English and Philosophy

ENG109 - Academic Oral Skills for Non-Native Speakers
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course for Academic English Program (AEP) non-native speakers of English. With instructor permission, the course may also be open to any other MSU student who may feel the need to improve English listening and speaking skills. Awards general elective credit. Does not count toward an English major, minor, or University Studies requirement. Letter-graded course.

DEPARTMENT:

English and Philosophy

ENG110 - Academic Text Skills Non-Native Speakers
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course for Academic English Program (AEP) non-native speakers of English. With instructor permission, the course may also be open to any other MSU student who may feel the need for enhancement of English reading and writing skills. Awards general elective credit. Is a prerequisite for ENG 105 for all AEP admitted students. Does not count toward an English major, minor, or University Studies requirement. Letter-graded course.

DEPARTMENT:

English and Philosophy

ENG111 - Fundamental Writing Skills I
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This course is designed for individualized instruction in basics of grammar, punctuation, and composition. Does not count toward an English major, minor, or University Studies requirements.

Corequisites

ENG 105

DEPARTMENT:

English and Philosophy

ENG150 - Honors Rhetoric, Composition and Research
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Intensive practice and study and practice of rhetorical approaches to writing and speaking. Course will focus on advanced composition and research skills but will also include practice in oral presentations. Open to students enrolled in the Honors Program. For all degrees, this course may be used in lieu of ENG 105.

DEPARTMENT:

English and Philosophy

ENG201 - Introduction to Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to develop a broad literary appreciation and understanding. This course provides for the study of various genres, including fiction, poetry, and drama. ENG 201 is a University Studies humanities elective.

Prerequisites

ENG 105 or 150 or equivalent

DEPARTMENT:

English and Philosophy

ENG204 - Advanced Expository Writing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to help students achieve proficiency in writing for specific academic contexts, particularly those of the student's own major discipline.

Prerequisites

Completion of ENG 104 or 105 with at least a C average or the equivalent

DEPARTMENT:

English and Philosophy

ENG205 - Writing for the Social Sciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Preparation for research in the social sciences, with practices in analyzing and writing effectively about professional scholarship. Students will examine the issues, audiences, styles, and rhetorical situations important to the social sciences, developing writing and research skills for their own work in the discipline.

Prerequisites

ENG 105 or 150 or the equivalent and at least one course in the social sciences

DEPARTMENT:

English and Philosophy

ENG210 - Foundations of Cinema
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides students with a basic terminology and set of concepts for understanding cinema both as a sophisticated form of art and as a popular medium of entertainment.

DEPARTMENT:

English and Philosophy

ENG213 - Film and Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the correlations between the film form and traditional literary forms. (Fall)

Prerequisites

ENG 150 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG214 - Introduction to Creative Writing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the forms of poetry, fiction, and creative nonfiction, combining the careful reading of the works of established writers and original student writing. Designed for majors and non-majors. Students in the English area or major may concurrently enroll in ENG 214 and ENG 105 or 150, or equivalent.

Prerequisites

ENG 105 or 150, or equivalent

DEPARTMENT:

English and Philosophy

ENG221 - Introduction to English Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory course for English majors and minors designed to familiarize students with a range of literary and writing genres, as well as the discourses, practices, and major theories of English studies. May be taken concurrently by English area or major students.

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG224 - Writing in the Professions
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course prepares students to write documents such as proposals, reports, memos, letters, and e-mail in professional scenarios. Students will learn to assess practical writing situations and to write successful documents for specific purposes and audiences. The course will emphasize computer skills. Course activities may include peer review, collaborative writing, and intensive planning and revision workshops.

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG226 - Argument and Discourse
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of advanced principles of argumentation and conventions of rhetoric as applied to spoken and written public discourse. Application of the foundational components may be based on an instructor-chosen theme, such as discourse in political, environmental, religious, or other domains.

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG228 - Standard English Usage
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The traditional or prescriptive approach to a comprehensive study of standard English grammar and the conventions of punctuation and capitalization.

DEPARTMENT:

English and Philosophy

ENG243 - Literary Masterpieces: Fantasy, Myth and Legend
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the literary manifestations of fantasy, myth, and legend.

DEPARTMENT:

English and Philosophy

ENG245 - The African American Experience in Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of fiction, nonfiction, poetry, drama, and film written by African Americans. Thematic emphasis will be given to historical, cultural, and contemporary issues.

DEPARTMENT:

English and Philosophy

ENG250 - Contemporary World Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of selected novels, short stories, plays, and poetry from contemporary literature.

DEPARTMENT:

English and Philosophy

ENG251 - The Bible as Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS251 - The Bible as Literature

Description

A study of the Bible as a literary source. (Same as RGS 251.)

DEPARTMENT:

English and Philosophy

ENG252 - Literature and Religion
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS252 - Literature and Religion

Description

Course that explores the intersections between literature and religion within larger cultural contexts. (Same as RGS 252.)

DEPARTMENT:

English and Philosophy

ENG253 - Comedy, Satire, and Popular Culture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory literature course to explore comedy, satire, and their influence on popular culture, both past and present, in a wide variety of media. Students cannot take both this course and ENG 460 for credit.

DEPARTMENT:

English and Philosophy

ENG254 - Food, Literature, and Pop Culture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory literature course to explore the importance of food in our lives as it has been presented in literature and pop culture through diverse historical periods and cultures.

DEPARTMENT:

English and Philosophy

ENG255 - Shakespeare and Popular Culture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory literature course to explore Shakespeare and the influence of his works on popular culture, both past and present, in a wide variety of media.

DEPARTMENT:

English and Philosophy

ENG256 - Literature and Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory literature course to explore the changing nature of books, texts, and narrative in the Information Age.

DEPARTMENT:

English and Philosophy

ENG257 - Migrants, Refugees, and Expatriates in Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory literature course to explore the immigrant, refugee, or expatriate experience through diverse historical periods and cultures. Students cannot receive credit for this course and ENG 250 unless on different subjects.

DEPARTMENT:

English and Philosophy

ENG303 - British Literature to 1760
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the development of British literature from the Old English through the Early Modern English periods, with emphasis on key texts, figures, genres, and trends, including critical approaches. Prerequisites: ENG 104 or 105 or the equivalent, ENG 201 or consent of instructor.

Prerequisites

ENG 105 or 150 or the equivalent, and ENG 201

DEPARTMENT:

English and Philosophy

ENG304 - British Literature, 1760 to the Present
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of British literature form the late 18th century to the present, with emphasis on key texts, figures, genres, and trends, including critical approaches.

Prerequisites

ENG 105 or 150 or the equivalent, and ENG 201

DEPARTMENT:

English and Philosophy

ENG305 - Survey of World Literature, 1700-1945
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of world literature in English or English translation from 1700 to 1945. Works studied will include novels, short stories, plays, and poems by authors from Europe, Asia, Africa, Australia, and the Americas.

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG306 - Contemporary Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of literature written in English from 1945 to the present.

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG307 - World Literature to 1830
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of world literature in English or English translation, from the ancient world to 1830, including critical approaches.

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG308 - World Literature, 1830 to the Present
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of world literature In English or English translation from 1830 to the present, including critical approaches. (Fall)

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG309 - History of English Language
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the English language from Old to Middle to Modern English.

DEPARTMENT:

English and Philosophy

ENG310 - Introduction to English Linguistics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of modern studies in the English language, with emphasis placed upon its impact on the theory and practice of several grammatical systems.

DEPARTMENT:

English and Philosophy

ENG311 - American Literature to 1865
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the development of American literature from its origins through the nation's beginnings to 1865, with emphasis on major works and writers, including critical approaches.

Prerequisites

ENG 105 or 150 or the equivalent, and ENG 201

DEPARTMENT:

English and Philosophy

ENG312 - American Literature 1865 to 1945
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of U.S. literature and its developing ethnic and cultural traditions from 1890 to the present, including critical approaches.

Prerequisites

ENG 105 or 150 or the equivalent, and ENG 201

DEPARTMENT:

English and Philosophy

ENG313 - History of the Cinema
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will cover the international, historical, cultural, artistic, and technical development of the cinema from the beginnings to the present, with some emphasis on American contributions. (Spring)

DEPARTMENT:

English and Philosophy

ENG314 - Shakespeare on Film
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of filmed versions of Shakespeare's comedies, Histories, and Tragedies.

Prerequisites

ENG 105 or 150

DEPARTMENT:

English and Philosophy

ENG315 - Global Cinema
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of national cinemas and industries outside the United States, examining significant directors and film movements. This class meets for two hours for lecture and discussion and two hours for film viewing.

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG318 - Women's Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of literature written by women.

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG319 - Gay and Lesbian Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Literary works by gay and lesbian authors as well as works about the gay and lesbian experience will be read, spanning the long and varied history of this genre. Prerequisites: ENG 104 or 105 or the equivalent.

Prerequisites

ENG 105 or 150 or the equivalent, and either ENG 201 or 221

DEPARTMENT:

English and Philosophy

ENG320 - Survey in African-American Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A thematic survey and analysis of African-American literature and appropriate theoretical concepts.

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG321 - Research in Literary Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to research tools and methods in literary studies.

Prerequisites

ENG 105 or the equivalent and ENG 201

DEPARTMENT:

English and Philosophy

ENG322 - Rhetorical and Professional Writing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of rhetorical tradition and theories, and an exploration of the influence of rhetoric in professional and technical writing environments. Field experience may be required.

Prerequisites

ENG 105 or 150 or equivalent

DEPARTMENT:

English and Philosophy

ENG324 - Technical Writing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Theory of and practice in the writing of technical documents for industry and technology, with a focus on document design, usability, and writing for a non-technical audience. Students will apply effective rhetorical strategies to letters, instructions and procedures, proposals, and reports.

Prerequisites

ENG 105 or 150 or equivalent

DEPARTMENT:

English and Philosophy

ENG325 - Professional Document Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced topics and projects in technical writing, document design, and usability, focusing on direct application to business and industry. Field experience may be required.

Prerequisites

ENG 105 or 150 or equivalent

DEPARTMENT:

English and Philosophy

ENG327 - Writing Proposals and Grants
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Techniques and practices for writing proposals and grant proposals. The course will help students learn and practice the rhetorical and persuasive skills necessary to plan and create successful proposals. Field experience may be required. This course is part of the Service Learning Scholars program.

Prerequisites

ENG 105 or 150 or equivalent

DEPARTMENT:

English and Philosophy

ENG329 - Teaching English in Secondary Schools
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A practical course in the materials and methods used in teaching English in secondary schools. (Fall)

DEPARTMENT:

English and Philosophy

ENG330 - Special Topics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of literary genres or sub-genres, or of other special topics. Content will vary from semester to semester according to student and faculty interests. Credit will be given for as many semesters as taken.

DEPARTMENT:

English and Philosophy

ENG331 - Traditional Rhetoric and the Written Argument
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of rhetoric from ancient Greece to the 19th century emphasizes the application of traditional rhetoric to written argument while giving students an opportunity to analyze and create persuasive messages pertaining to politics and the law, business, science, and the arts.

DEPARTMENT:

English and Philosophy

ENG332 - Contemporary Rhetoric and the Written Argument
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of rhetoric from the 19th century to present. Emphasizes the application of contemporary rhetoric to written argument while giving students an opportunity to analyze and create persuasive messages pertaining to politics and the law, business, science, and the arts.

DEPARTMENT:

English and Philosophy

ENG334 - Shakespeare
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of selected Shakespearean histories, comedies, and tragedies. Prerequisites: ENG 104 or 105 or the equivalent and ENG 201 or permission of instructor.

Prerequisites

ENG 105 or 150 or the equivalent, and ENG 201

DEPARTMENT:

English and Philosophy

ENG335 - Major Authors
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the works of a major literary figure (or two related figures) will be studied. This course may be repeated once for credit (with different subject).

DEPARTMENT:

English and Philosophy

ENG336 - Special Topics in Diverse Literatures
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of literary traditions, genres, movements, or other topics that emphasize diverse perspectives across race, ethnicity, nationality, gender, sexuality, class, or religion. Content will vary from semester to semester according to student and faculty interests. May be repeated once with a different focus.

DEPARTMENT:

English and Philosophy

ENG337 - Laboring-Class Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of literature in English written by laboring-class writers. Period and geographical focus as determined by instructor.

Prerequisites

ENG 105 or 150

DEPARTMENT:

English and Philosophy

ENG341 - Introduction to Writing Fiction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to fiction writing, combining the careful reading of works by established writers with analysis of original student stories.

Prerequisites

ENG 201 and 214

DEPARTMENT:

English and Philosophy

ENG342 - Introduction to Writing Poetry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to poetry writing combing the careful reading of works by established writers with analysis of original student poems.

Prerequisites

ENG 201 and 214

DEPARTMENT:

English and Philosophy

ENG343 - Special Topics in Creative Writing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The study of a special area of creative writing. Content will vary from semester to semester according to student and faculty interest. The course will combine the careful reading of works by established writers with analysis of original student work. Course may be repeated for credit three times with the consent of the instructor and student's advisor.

Prerequisites

ENG 105 or 150 or equivalent

DEPARTMENT:

English and Philosophy

ENG344 - Introduction Writing Creative Non-Fiction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to writing creative nonfiction, combining the careful reading of works by established writers with analysis of original student creative nonfiction.

Prerequisites

ENG 201 and 214

DEPARTMENT:

English and Philosophy

ENG350 - Modern Japanese Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

JPN350 - Modern Japanese Literature in Translation

Description

Course surveys Japanese fiction from the Meiji Restoration (1868) to the present day. Will examine the personal voice, manifest in literary works, and explore the ways in which literature has been closely interwoven with historical movements and social changes of modern times. (Same as JPN 350.)

Prerequisites

ENG 105 or 150

DEPARTMENT:

English and Philosophy

ENG351 - Special Topics in Film Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The study of an advanced area in film studies, including, but not limited to studies in major filmmakers, national traditions, genres, schools of theory, or influential actors. The course may be repeated twice for credit with consent from the Chair.

Prerequisites

ENE 313

DEPARTMENT:

English and Philosophy

ENG352 - Film Genres
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Examination of specific genres in the development of cinema. Genres under consideration will vary according to the instructor and semester.

Prerequisites

ENG 105 or 150

DEPARTMENT:

English and Philosophy

ENG353 - Writing for the Web
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Practice in writing for online environments. Students will apply rhetorical strategies and document design principles to online writing experiences and learn basic HTML and CSS applications.

Prerequisites

ENG 105 or ENG 150 or equivalent

DEPARTMENT:

English and Philosophy

ENG360 - Literature and Philosophy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

PHI360 - Literature and Philosophy

Description

Interdisciplinary look at ways in which literature raises philosophical questions and also how philosophical writings articulate a relationship between philosophy and literature. Topics may include the role of imagination and emotion in reasoning, interpretation, rhetoric, and the role of literature in moral reasoning. (Same as PHI 360.)

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG362 - Linguistic Diversity Across Cultures
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

From ethnolinguistic and anthropological perspectives, this course provides an introduction to the study of varieties of English in the United States, global Englishes, and multilingualism in the world. Students will examine the history of linguistic diversity across cultures along with perspectives on language and identity and current issues in language policies.

DEPARTMENT:

English and Philosophy

ENG365 - Collaborative Research
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

A collaborative research project with a faculty member aimed at producing a peer-reviewed publication or presentation. May be repeated for up to eight hours of credit. Graded pass/fail.

Prerequisites

ENG 211 and 321

DEPARTMENT:

English and Philosophy

ENG370 - Law and Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

LST370 - Law and Literature

Description

A course that explores the intersections between law and literature within larger cultural contexts. (Same as LST 370.)

Prerequisites

HUM 211

DEPARTMENT:

English and Philosophy

ENG371 - Literature and the Environment
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of literary and other works from a variety of cultures and periods with a focus on the environment, its inhabitants, and their survival. Depending on individual research needs and the interest of the group, field experiences may be scheduled, some of which might include excursions into developed, threatened, and wilderness areas and visits to other relevant sites.

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG380 - Advanced Genre Study in Poetry and Poetics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the traditions and techniques of poetry, including the study of meter, literary devices, and form

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG381 - Advanced Genre Study in Drama
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An advanced study of the traditions, forms, and techniques of drama in English and/or English translation, including the study of genres, stagecraft, and historical development.

Prerequisites

ENG 201

DEPARTMENT:

English and Philosophy

ENG382 - Advanced Genre Study in Fiction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An advanced study of the traditions, forms, and techniques of fiction in English and/or English translation.

Prerequisites

ENG 201

DEPARTMENT:

English and Philosophy

ENG392 - Professional Engagement
CREDITS:

1 - 6

COURSE LEVEL:

Undergraduate

Description

Practical course for English majors. Each student will work 45 hours on a project or job that requires utilization of skills taught in English courses. Graded pass/fail. Repeatable up to six hours.

Prerequisites

Junior or senior standing, ENG 321, and permission by instructor

DEPARTMENT:

English and Philosophy

ENG400 - Major Film Directors
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

One or more major film directors will be studied in depth. This course, with different content by featuring different directors, may be repeated once for credit.

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG401 - Film Theory and Criticism
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of major aesthetic and critical theories about film and of the theory and practice of film criticism, with focus on American cinema. This class meets for two hours of lecture and discussion and two hours for film viewing. (Spring)

Prerequisites

ENG 105 or 150 or the equivalent and a film course

DEPARTMENT:

English and Philosophy

ENG402 - Early English Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A critical and historical survey of English literature before 1500, studied partly in translation.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG403 - Medieval Drama
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

European secular and religious drama in the Middle Ages, studied partly in translation.

Prerequisites

ENG 303 and 321; ENG 321 may be taken concurrently by English area and major students

DEPARTMENT:

English and Philosophy

ENG404 - Advanced Composition
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Intensive workshop in writing for the English major. Topics include expository writing, rhetorical and literary analysis, and research writing. Required of all English majors.

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG405 - British Novel to 1830
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the background and development of the British novel to 1830.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG406 - British Novel Since 1830
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the background and development of the British novel after 1830.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG407 - Short Fiction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the origin and development of the short story, the short-short story, and/or the novella as unique literary genres. Special emphasis will be on the analysis of the form.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG408 - Forms of Fiction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of literary fiction from the writer's point of view. (Spring)

Prerequisites

ENG 341

DEPARTMENT:

English and Philosophy

ENG409 - The American Novel
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the American novel from James Fenimore Cooper to William Faulkner.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG410 - Contemporary American Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth study of some of the Americas' influential contemporary literature.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG411 - Non-Shakespearean Elizabethan-Jacobean Drama
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of selected plays of the period and their historical and critical contexts.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG412 - Directed Studies in Film Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Supervised independent work in film studies. Credit will be given for as many semesters as taken.

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG413 - American Poetry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the development of American poetic traditions and achievement from 1620 to the present.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG415 - Writer's Workshop: Short Story
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An intensive study of the techniques of writing the short story, with special concentration on the student's own work.

Prerequisites

ENG 341

DEPARTMENT:

English and Philosophy

ENG416 - Writer's Workshop: Poetry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An intensive study of the techniques of writing poetry, with special concentration on the student's own work.

Prerequisites

ENG 342

DEPARTMENT:

English and Philosophy

ENG418 - Restoration and Eighteenth-Century British Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A critical and historical survey of British literature from 1660 to the end of the eighteenth century.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG419 - European Cinema
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of European (including British) film by French, English, German, and Spanish directors in the original languages with English subtitles except for the English language films. Selected films will be organized around social themes, which will then be viewed from different national perspectives. The common discussion section on one day will be conducted in English to be accessible to students of all languages; the second discussion section will be conducted in English. Students are required to attend film viewings in a separate lab section.

Prerequisites

ENG 105 or 150 or the equivalent

DEPARTMENT:

English and Philosophy

ENG420 - British Romantic Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A critical and historical survey of British literature of the Romantic Age.

Prerequisites

ENG 321

DEPARTMENT:

English and Philosophy

ENG424 - Forms of Poetry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Explores the question of poetic form, including prosody and the historical development of forms, from the point of view of practitioners. (Fall)

Prerequisites

ENG 342

DEPARTMENT:

English and Philosophy

ENG425 - Teaching Literature, Writing and Grammar in Middle Schools
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A practical course in the materials and methods used in teaching English/language arts in middle schools. (Spring)

Prerequisites

ENG 329 or EDU 303

DEPARTMENT:

English and Philosophy

ENG426 - Classical Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The literature of Greece and Rome, read in translation.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG427 - Medieval Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

European literature from the fall of Rome to the Renaissance, read in translation.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG428 - Renaissance Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

European literature of the Renaissance, read in translation, with emphasis placed upon its impact on English thought and literature.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG430 - British Poetry and Non-Fictional Prose, 1832 to 1900
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of selected works of the period and their historical and critical contexts.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG431 - American Literature, 1607 to 1820
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of selected works of the period and their historical and critical contexts with an emphasis on Colonial and Early U.S. Literature.

Prerequisites

ENG 321; may be taken concurrently by English area or major students

DEPARTMENT:

English and Philosophy

ENG435 - Young Adult Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Background and readings in the genre of young adult literature. May include study of the novel, short story, poetry, drama and nonfiction. (Fall)

DEPARTMENT:

English and Philosophy

ENG436 - Seventeenth-Century British Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of non-dramatic British literature from 1600-1667, with attention to historical and critical contexts.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG438 - British Fiction, 1832 to 1900
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of selected works of the period and their historical and critical contexts.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG439 - Modern British Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A critical and historical survey of selected works from 1900 to the present.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG440 - Advanced Special Topics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of literary genres or sub-genres, or of other special topics, culminating in a research project. Content will vary from semester to semester according to student and faculty interests. May be repeated for up to nine hours with a different focus.

Prerequisites

ENG 321; may be taken concurrently by English area or major students

DEPARTMENT:

English and Philosophy

ENG442 - American Literature, 1820 to 1870
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of selected works of the period and their historical and critical contexts with emphasis on American Romanticism.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG443 - American Literature, 1870 to 1920
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of selected works of the period and their historical and critical contexts with an emphasis on American Realism and Naturalism.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG444 - American Literature, 1920 to the Present
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of selected works of the period and their historical and critical contexts with an emphasis on Modernism and Postmodernism.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG445 - Teaching Reading and Writing in the Secondary School
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Teacher candidates will apply content knowledge, educational philosophies, learning theories, differentiated instruction, classroom management strategies, effective assessment practices, instructional technology, co-teaching strategies, student advocacy, and content-area literacy in K-12 English/language arts classes. Emphasis will be placed on roles of teachers, students, parents, school, and community as educational partners. Candidates will design and implement culturally relevant, developmentally-appropriate instruction for all students in English content settings. Clinical experiences required. (Spring)

Prerequisites

ENG 329

DEPARTMENT:

English and Philosophy

ENG446 - Approaches to the Writing Process
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A consideration of the writing process and its implications for teaching writing to students at all levels.

DEPARTMENT:

English and Philosophy

ENG449 - World Literatures since 1900
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of selected works of world, transnational, and/or diasporic literature from the perspective of their historical and critical contexts.

Prerequisites

ENG 321; may be taken concurrently by English area or major students

DEPARTMENT:

English and Philosophy

ENG450 - Sixteenth-Century British Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of non-dramatic British literature from 1501-1600 with attention to historical and critical contexts.

DEPARTMENT:

English and Philosophy

ENG460 - Comedy and Satire
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will examine the historical development of comedy and/or satire as a literary genre and as a cultural manifestation (e.g., plays, novels, essays, movies, comedians, etc.). It may also focus on theories of comedy and satire.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG470 - Literary Criticism
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An historical survey of literary criticism, including some collateral reading of literature.

Prerequisites

ENG 321; may be taken concurrently by English are or major students

DEPARTMENT:

English and Philosophy

ENG488 - Cooperative Education/Editorial Internship
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated experience serving as an editor for New Madrid, the national literary journal housed in the Department of English and Philosophy at Murray State. May be repeated for a maximum of six hours. Graded pass/fail.

Prerequisites

ENG 214 and one of the following: ENG 341, 342, 343, or 344

DEPARTMENT:

English and Philosophy

ENG512 - Directed Study
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

Directed independent study program, mutually developed by student and instructor, leading to one or more papers or projects. May be repeated for a maximum of eight credit hours.

DEPARTMENT:

English and Philosophy

ENG548 - Senior Seminar in Literary Studies
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

An advanced study of the issues pertinent to the discipline of literature, including career and graduate studies opportunities. Students will also produce a semester-long research project culminating in a senior essay that focuses on an interest the student has developed during prior course work. (Fall)

Prerequisites

ENG 321 and senior standing

DEPARTMENT:

English and Philosophy

ENG560 - Advanced Creative Writing: Fiction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Critical discussion of original student fiction. Individual conferences and reading assignments in contemporary literature are included. Prerequisite: ENG 408 and 415 or permission of instructor.

Prerequisites

ENG 408 and 415

DEPARTMENT:

English and Philosophy

ENG561 - Advanced Creative Writing: Poetry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Critical discussion of original student poetry and concentrated exploration of a particular post, subject within poetry, or method of poetry writing.

Prerequisites

ENG 416 or 424

DEPARTMENT:

English and Philosophy

ENG562 - BFA Senior Seminar
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The capstone course for BFA students, taken in the final semester of a student's degree work, compromising a written portfolio review, a public presentation of creative work, and career preparation.

Prerequisites

ENG 560 or ENG 561

DEPARTMENT:

English and Philosophy

ENG571 - Documentation Project Management and Standards
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Techniques and practices for handling documentation projects. Students will learn to manage the work of multiple authors and reviewers, implement successful consulting practices, plan and schedule projects, design style sheets, and create version control systems. The course also covers the dynamics of managing documentation for the implementation of international standards such as ISO 9001.

Prerequisites

ENG 324 or 325

DEPARTMENT:

English and Philosophy

ENG572 - Writing Training Materials
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of the pedagogy and procedures used to create training materials for business, industry, and government.

Prerequisites

ENG 324 or 325

DEPARTMENT:

English and Philosophy

ENG600 - Research and Bibliography
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An introduction to principles of research and bibliography as a preparation for further graduate study in English. May be repeated once for credit.

DEPARTMENT:

English and Philosophy

ENG601 - Teaching Writing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of principles and practices of effective writing instruction at middle school, secondary, and post-secondary levels.

DEPARTMENT:

English and Philosophy

ENG602 - Teaching Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of principles and practices of effective literature instruction at middle school, secondary, and post-secondary levels.

DEPARTMENT:

English and Philosophy

ENG603 - Teaching English Language Arts
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of principles and practices of effective English Language Arts instruction especially at middle and high school levels.

DEPARTMENT:

English and Philosophy

ENG604 - Purchase Area Writing Project I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive workshop course emphasizing principles and practices of effective writing instruction. Designed for practicing classroom teachers. (Summer)

Prerequisites

K-12 teaching position; application and interview

DEPARTMENT:

English and Philosophy

ENG605 - Purchase Area Writing Project II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Follow-up activities to the Purchase Area Writing Project Summer Institute. Designed for practicing classroom teachers. (Summer)

Prerequisites

K-12 teaching position; application and interview

DEPARTMENT:

English and Philosophy

ENG608 - Modern Fiction
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A critical and historical study of selected European and American prose fiction from 1900 to the present.

DEPARTMENT:

English and Philosophy

ENG609 - Critical Theory
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of critical practices and theoretical approaches to understanding literature.

DEPARTMENT:

English and Philosophy

ENG610 - Graduate Writer's Workshop
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Supervised independent work in creative writing. May be repeated for credit.

DEPARTMENT:

English and Philosophy

ENG611 - Applied Linguistics for Second Language Teaching
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An overview of the basic concepts, scope, and methodology of the science of language in its historical and descriptive aspects, including topics and issues in current linguistic studies.

DEPARTMENT:

English and Philosophy

ENG612 - Directed Study
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Supervised independent work in literature, language or writing. May be repeated for credit.

Prerequisites

Permission of department chair

DEPARTMENT:

English and Philosophy

ENG613 - Selected Authors
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A single literary figure or a very small number of related figures will be studied in depth. This course may be repeated for credit provided that the course content is sufficiently different.

DEPARTMENT:

English and Philosophy

ENG614 - Special Topics in English Studies
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive examination of issues in the study and/or teaching of English. May be repeated for credit.

DEPARTMENT:

English and Philosophy

ENG615 - Topics in Women's Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Topics in literature written by selected women writers. May be repeated once for credit.

DEPARTMENT:

English and Philosophy

ENG616 - Rhetorical Theory
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A seminar focusing on important issues in rhetorical theory.

DEPARTMENT:

English and Philosophy

ENG617 - Themes in World Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study of selected themes in works of literature from the non-Western world. May be repeated once for credit.

DEPARTMENT:

English and Philosophy

ENG618 - Introduction to Linguistic Science
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the basic concepts, scope and methodology of the science of language in its historical and descriptive aspects. Not open to the student who has credit for ENG 310.

DEPARTMENT:

English and Philosophy

ENG619 - Gay and Lesbian Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study of literary works by gay and lesbian authors, works about gay and lesbian experiences, and gay and lesbian literary traditions.

DEPARTMENT:

English and Philosophy

ENG620 - Life-Writing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study of selected genres of life-writing, such as autobiography and biography. Content will vary according to nation, region, period, theme, or genre. All works in English or in translation to English. Students may repeat this course for credit providing that the course content is sufficiently different.

DEPARTMENT:

English and Philosophy

ENG621 - American Literature, 1607-1820
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of selected works from 1607-1820 and their historical and critical contexts, with an emphasis on Colonial and Early U.S. Literature.

DEPARTMENT:

English and Philosophy

ENG622 - Writing for Health Professionals
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Techniques and practices for writing in the health professions. The course will help students review/learn and practice the skills necessary to write successful documents in the health industry using APA style.

DEPARTMENT:

English and Philosophy

ENG623 - American Literature, 1820 to 1870
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of selected works of the period and their historical and critical contexts, with an emphasis on American Romanticism.

DEPARTMENT:

English and Philosophy

ENG624 - Historical Principles in Composition Theory
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An historical survey of rhetorical theories as they originate in the classical era, are reinterpreted by composition theory and pedagogy, and are applied to contemporary writing and writing instruction.

DEPARTMENT:

English and Philosophy

ENG625 - Professional Document Design
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Advanced topics and projects in technical writing, document design, and usability, focusing on theoretical and direct application to business and industry. Field experience may be required.

DEPARTMENT:

English and Philosophy

ENG626 - Advanced Technical Writing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Advanced topics and projects in technical writing, focusing on direct application to business and industry. Course is taught online.

DEPARTMENT:

English and Philosophy

ENG627 - Rhetoric and Professional Writing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study of the rhetorical tradition and theories, and an exploration of the influence of rhetoric in professional and technical writing environments.

DEPARTMENT:

English and Philosophy

ENG628 - Writing Proposals and Grants
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Techniques and practices for writing proposals and grant proposals. The course will help students learn and practice the rhetorical and persuasive skills necessary to plan and create successful proposals.

DEPARTMENT:

English and Philosophy

ENG629 - Project Design and Usability
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An overview of the principles, conventions, and technologies used to design and develop projects for business, industry, and government. The course will examine theories and methods of design, audience analysis, and usability testing for documents such as instructions, procedures, reports, and manuals. Course is taught online.

DEPARTMENT:

English and Philosophy

ENG630 - Issues in Professional and Technical Writing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study of issues in professional technical writing, e.g. ethics, gender, career opportunities, research, and collaboration. Topics are the discretion of the instructor.

DEPARTMENT:

English and Philosophy

ENG631 - American Literature, 1870 to 1920
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of selected works of the period and their historical and critical contexts, with an emphasis on American Realism and Naturalism.

DEPARTMENT:

English and Philosophy

ENG633 - American Literature Since 1920
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of selected works of the period and their historical and critical contexts, with an emphasis on Modernism and Postmodernism.

DEPARTMENT:

English and Philosophy

ENG634 - Language and Culture
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

TSL634 - Language and Culture

Description

A study of the relationship among language, society, and the individual's conception of reality. (Same as TSL 634.)

DEPARTMENT:

English and Philosophy

ENG635 - American Poetry
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of American poetry from its beginnings to the present—or on a particular period within its history—with attention to historical and critical contexts.

DEPARTMENT:

English and Philosophy

ENG636 - The American Novel
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the American novel from its beginnings to the present—or on a particular period within its history—with attention to historical and critical contexts.

DEPARTMENT:

English and Philosophy

ENG637 - Topics in African-American Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of selected works of African-American literature and their historical and critical contexts.

DEPARTMENT:

English and Philosophy

ENG638 - Studies in Southern Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A survey of southern literature and its historical and critical contexts.

DEPARTMENT:

English and Philosophy

ENG639 - Study of the Short Story
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of the origins and development of the short story with special emphasis placed upon analysis of the form.

DEPARTMENT:

English and Philosophy

ENG641 - Old English Language and Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of selected works from the Old English period (c. 449-1100) and their historical and critical contexts.

DEPARTMENT:

English and Philosophy

ENG643 - Middle English Language and Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of selected works from the Middle English period (c. 1100-1500) and their historical and critical contexts.

DEPARTMENT:

English and Philosophy

ENG644 - Graduate Cooperative Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

May be repeated for a maximum of six credits. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

English and Philosophy

ENG645 - English Renaissance Literature, 1500-1660
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of selected works of the period and their historical and critical contexts.

DEPARTMENT:

English and Philosophy

ENG646 - Non-Shakespearean Renaissance Drama
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A survey of non-Shakespearean British dramatic literature, with attention to historical and critical contexts.

DEPARTMENT:

English and Philosophy

ENG647 - Shakespeare
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of selected Shakespearean works and their historical and critical contexts.

DEPARTMENT:

English and Philosophy

ENG650 - Modern Drama
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of selected European and American plays, with attention to literary backgrounds and technical experimentation.

DEPARTMENT:

English and Philosophy

ENG652 - Restoration and Eighteenth-Century British Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of selected works of the period and their historical and critical contexts.

DEPARTMENT:

English and Philosophy

ENG653 - Writing for the Web
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Theory and practice in writing for online environments. Students will apply rhetorical strategies and document design principles to online writing exercises and learn basic HTML and CSS application.

DEPARTMENT:

English and Philosophy

ENG654 - Eighteenth-Century British Novel
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of selected novels of the period and their historical and critical contexts.

DEPARTMENT:

English and Philosophy

ENG655 - The British Romantic Movement
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of selected works of the period and their historical and critical contexts.

DEPARTMENT:

English and Philosophy

ENG656 - Nineteenth-Century British Novel
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of selected novels of the period and their historical and critical contexts.

DEPARTMENT:

English and Philosophy

ENG657 - Victorian Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of selected works of the period and their historical and critical contexts.

DEPARTMENT:

English and Philosophy

ENG659 - Modern English Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of selected works from 1900 to the present and their historical and critical contexts.

DEPARTMENT:

English and Philosophy

ENG661 - Fiction Tutorial
CREDITS:

6

COURSE LEVEL:

Graduate

Description

An advanced tutorial in fiction writing, in which the student works one-on-one with M.F.A program faculty via U.S. mail and/or on-line communication to produce a body of original writing. The tutorial will include a directed reading relevant to the student's individual project. May be repeated for credit. Only one tutorial per semester.

Prerequisites

Admittance into the program

DEPARTMENT:

English and Philosophy

ENG662 - Poetry Tutorial
CREDITS:

6

COURSE LEVEL:

Graduate

Description

An advanced tutorial in poetry, in which the student works one-on-one with M.F.A. program faculty via U.S. mail and/or on-line communication to produce a body of original poetry. The tutorial will include a directed reading relevant to the student's individual project. May be repeated for credit. Only one tutorial per semester.

Prerequisites

Admittance into the program

DEPARTMENT:

English and Philosophy

ENG663 - Creative Non-Fiction Tutorial
CREDITS:

6

COURSE LEVEL:

Graduate

Description

An advanced tutorial in creative nonfiction writing, in which the student works one-on-one with M.F.A. program faculty via U.S. mail and/or on-line communication to produce a body of original writing. The tutorial will include a directed reading relevant to the student's individual project. May be repeated for credit. Only one tutorial per semester.

Prerequisites

Admittance into the program

DEPARTMENT:

English and Philosophy

ENG664 - Field Study
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Each student will serve as an intern for New Madrid, the national literary journal of the M.F.A. Program at Murray State University.

Prerequisites

Students must have completed one semester of the M.F.A. program before enrolling in the Field Study

DEPARTMENT:

English and Philosophy

ENG665 - Fiction Residency
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The residency experience will comprise workshops, daily seminars, and readings by faculty members and visiting writers. This course may be repeated for credit, but only one Graduate Residency may be completed per semester.

Prerequisites

Admittance into the program

DEPARTMENT:

English and Philosophy

ENG666 - Poetry Residency
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The residency experience will comprise workshops, daily seminars, and readings by faculty members and visiting writers. This course may be repeated for credit, but only one Graduate Residency may be completed per semester.

Prerequisites

Admittance into the program

DEPARTMENT:

English and Philosophy

ENG667 - Creative Non-Fiction Residency
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The residency experience will comprise workshops, daily seminars, and readings by faculty members and visiting writers. This course may be repeated for credit, but only one Graduate Residency may be completed per semester.

Prerequisites

Admittance into the program

DEPARTMENT:

English and Philosophy

ENG668 - Creative Thesis
CREDITS:

6

COURSE LEVEL:

Graduate

Description

An advanced tutorial in fiction, poetry, or creative nonfiction in which the student works one-on-one with M.F.A Program faculty to revise a body of original writing produced in previous graduate tutorials.

Prerequisites

Three sections of ENG 661, 662, and/or 663. (Student must have completed at least two sections in genre of thesis.)

DEPARTMENT:

English and Philosophy

ENG669 - Thesis Residency
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Culminating 9-day residency comprising the thesis defense, the thesis review conference, a formal reading, and a teaching presentation. Students will also attend readings and lectures. Students will meet with faculty advisors to discuss final revision of the thesis.

Prerequisites

ENG 668

DEPARTMENT:

English and Philosophy

ENG681 - Special Topics in Rhetoric and Composition
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An examination of contemporary and traditional issues and concerns in the study of rhetoric and composition. The course usually will focus upon an announced topic but will allow students to explore matters of individual concern. May be repeated for credit.

DEPARTMENT:

English and Philosophy

ENG685 - Teaching English at the College Level
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of various theoretical approaches to teaching composition and literature; will also include practical applications. May be repeated once for credit.

DEPARTMENT:

English and Philosophy

ENG698 - Thesis Writing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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Prerequisites

Permission of Graduate Coordinator

DEPARTMENT:

English and Philosophy

ENG699 - Thesis Writing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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Prerequisites

Permission of Graduate Coordinator

DEPARTMENT:

English and Philosophy

ENG704 - Comparative English Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Comparative study of English education. Travel my be required. Students must be able to travel nationally or internationally.

DEPARTMENT:

English and Philosophy

ENG745 - Teaching Diversity through Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Intensive study of diversity in literature and exploration of methods of teaching issues of diversity through literature. May be repeated once for credit.

DEPARTMENT:

English and Philosophy

ENG750 - Purchase Area Literacy Academy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intense workshop course emphasizing theories of literacy as well as principles and practices of effective reading and writing instruction at the secondary and postsecondary levels. Designed for practicing classroom teachers. May be repeated once for credit.

DEPARTMENT:

English and Philosophy

ENG752 - The Reading/Writing Connection in English
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An examination and critical evaluation of the theories of the reading and writing connection as well as related methods of assessment and instruction. Theoretical frameworks are used to identify and respond to individual differences and potential difficulties in developing integrated reading and writing skills and strategies.

DEPARTMENT:

English and Philosophy

ENG773 - Teaching Selected Authors
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of one or more selected authors and approaches to teaching those authors. May be repeated for credit with a different emphasis. Course is repeatable for a maximum of 12 credits.

DEPARTMENT:

English and Philosophy

ENG791 - Reflective Teaching and Roundtable
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Supervised practicum and facilitated roundtable. Students will apply program principles and dispositions in the course of teaching a class in the broad field of English. Students may conduct the practicum in their own classrooms. Students will keep written and video logs of their experiences and will reflect upon their experiences, questions, and problems in concert with classmates to improve their teaching performance. Experiences may be aligned with appropriate components for Nation Board for Professional Teaching Standards Take One! program. Field experience required.

Prerequisites

Permission of Graduate Coordinator

DEPARTMENT:

English and Philosophy

ENG795 - Teaching Writing through Travel
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Exploration of methods to teach writing through travel. Topics vary by instructor but may generally include location and inspiration, writing as reflection upon travel experience, matching writing assignments to travel, funding, travel planning, and travel leader responsibilities. Students will apply methods to practical experience. Travel will be required. Student must be able to travel nationally or internationally.

DEPARTMENT:

English and Philosophy

ENG796 - Teaching Literature through Travel
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Exploration of methods to enrich literary understanding through travel. Topics vary by instructor but may generally include literary landscapes, literary tourism, travel literature, archival experiences, matching literature to travel itineraries, funding, travel, planning, and travel leader responsibilities. Students will apply methods to practical experience. Travel will be required. Students must be able to travel nationally or internationally.

DEPARTMENT:

English and Philosophy

ENG900 - Methods of Analysis and Reflection in English Pedagogy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Foundational course in theories and methods of analysis and reflecting in teaching in the broad field of English. Special emphasis upon developing independent and collaborative analytical and reflective skills.

Prerequisites

Admission to the Doctor of Arts program in English Pedagogy

DEPARTMENT:

English and Philosophy

ENG907 - Theories of Curriculum Design and Application in English
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Advanced survey of historic and current curriculum models and theories for the broad field of English. Emphasis on understanding current Kentucky English curriculum standards and implementing standards in the design of English courses and programs. Sight based projects may be required.

Prerequisites

ENG 900

DEPARTMENT:

English and Philosophy

ENG908 - Assessment in English
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Advanced survey of theories, varieties, purposes, implementations, and limitations of assessment of student achievement and program effectiveness in the broad field of English.

Prerequisites

ENG 907

DEPARTMENT:

English and Philosophy

ENG955 - Seminar in English Literacy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Advanced study of literacy theory and practice as it relates to adolescents and adults. May be repeated for a maximum of nine credit hours with permission of the program director.

Prerequisites

Admission to the Doctor of Arts program in English Pedagogy

DEPARTMENT:

English and Philosophy

ENG957 - Seminar in Adult Literacy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Advanced study of theories, issues, and approaches in the field of adult literacy. Provides high school and adult educators with knowledge and tools to design and plan literacy instruction for adult learners. Topics may vary. May be repeated once for credit.

Prerequisites

Admission to the Doctor of Arts program in English Pedagogy

DEPARTMENT:

English and Philosophy

ENG977 - Instructional Technology for English
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Advanced survey of instructional technology as applied to teaching in the broad field of English. Emphasis on current theories, models, and applications of instructional technology including electronic literacy. Site visits may be required

Prerequisites

ENG 908

DEPARTMENT:

English and Philosophy

ENG978 - Teaching English Online Environments
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Advanced course in principles and practices of designing English curricula for online delivery and teaching English in online environments. Field experience may be required.

Prerequisites

Admission to the Doctor of Arts program in English Pedagogy

DEPARTMENT:

English and Philosophy

ENG981 - Content Knowledge in English for Age Level
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Mentored and collaborative course supporting preparation for the National Board Certificate Component 1: Content Knowledge. Successful completion of this course does not guarantee a passing score for the National Board Certificate Component 1: Content Knowledge assessment. Generally offered Spring semesters with sufficient demand. May be repeated once for credit with the permission of director.

Prerequisites

Admission to the Doctor of Arts program in English Pedagogy; eligibility as a candidate for National Board Certification

DEPARTMENT:

English and Philosophy

ENG982 - Differentiation of Instruction in English
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Mentored and collaborative course supporting preparation for National Board Certificate Component 2: Differentiation in Instruction. Successful completion of this course does not guarantee a passing score for the National Board Certificate Component 2: Differentiation in Instruction portfolio submission. Generally offered during Spring semesters with sufficient demand. May be repeated once for credit with the permission of director. Field experience required.

Prerequisites

Admission to the Doctor of Arts program in English Pedagogy; eligibility as a candidate for National Board Certification

DEPARTMENT:

English and Philosophy

ENG983 - Teaching Practice and Classroom Environments in English
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Mentored and collaborative course supporting preparation for National Board Certificate Component 3: Teaching Practice and Classroom Environments. Successful completion of this course does not guarantee a passing score for the National Board Certificate Component 3: Teaching Practice and Classroom Environments portfolio submission. Generally offered Fall semesters with sufficient demand. Field experience required. May be repeated once for credit with permission of director.

Prerequisites

Admission to the Doctor of Arts program in English Pedagogy; eligibility as a candidate for National Board Certification

DEPARTMENT:

English and Philosophy

ENG984 - Effective and Reflecting English Teaching Practice
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Mentored and collaborative course supporting preparation for the National Board Certification Component 4: Effective and Reflective Practitioner. Successful completion of this course does not guarantee a passing score for the National Board Certification Component 4: Effective and Reflective Practitioner portfolio submission. Field experience required. Generally offered Spring semesters with sufficient demand. May be repeated once for credit with the permission of director.

Prerequisites

Admission to the Doctor of Arts program in English Pedagogy; eligibility as a candidate for National Board Certification

DEPARTMENT:

English and Philosophy

ENG991 - Reflective Teaching Practicum
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Supervised professional teaching practicum in which student will apply doctoral core principles and doctoral dispositions in the course of teaching a class in the broad field of English. Student may conduct the practicum in their own classroom, or they may teach a course for Murray State University relevant to the doctoral specialization. Student will keep written and video logs of their experiences and reflections.

Prerequisites

Admission to the Doctor of Arts program in English, Pedagogy

DEPARTMENT:

English and Philosophy

ENG992 - Reflective Teaching Roundtable
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Facilitated roundtable for the sharing and analysis of experiences, questions, and problems among cohort members during their Reflective Teaching Practicum. Students will reflect upon their experiences, questions, and problems in concert with other cohort members and use collaborative skills to improve their teaching performance.

Prerequisites

Admission to the Doctor of Arts program in English, Pedagogy

DEPARTMENT:

English and Philosophy

ENG997 - Applied Practice I
CREDITS:

6

COURSE LEVEL:

Graduate

Description

First half of a supervised capstone project in applying doctoral core principles, methods, and dispositions to solving curricular or pedagogical problems in teaching language, literature, or literacy in a real educational environment. Students will plan and design a project to be conducted in ENG 998. May be repeated once for credit with the permission of program director. May not count toward elective credit.

Prerequisites

Doctoral candidate status and permission of graduate program director

DEPARTMENT:

English and Philosophy

ENG998 - Applied Practice II
CREDITS:

6

COURSE LEVEL:

Graduate

Description

Second half of a supervised capstone project in applying doctoral core principles, methods, and dispositions to solving curricular or pedagogical problems in teaching language, literature, or literacy in a real educational environment. Students will execute a plan developed in ENG 997 and will produce a deliverable artifact or set of artifacts that describe, assess, and reflect upon the project. May be repeated once with director approval. May not count toward elective credit.

Prerequisites

Doctoral candidate status and permission of graduate program director; ENG 997

DEPARTMENT:

English and Philosophy

ENT: Engineering Technology

ENT100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or majors(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Meetings with advisors, department personnel, service areas, and campus field trips comprise the main involvement. Availability of university resources is stressed with emphasis on personal needs. Graded pass/fail. (Fall)

DEPARTMENT:

Institute of Engineering

ENT111 - Electric Systems
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of dc and ac circuits including an introduction to three-phase systems and electric power. Lecture and laboratory provide learning experiences with basic test instruments, circuits, components and computer analysis. Three hours lecture and two hours lab.

Prerequisites

MAT 130 or 150

DEPARTMENT:

Institute of Engineering

ENT265 - Statics and Strengths of Materials
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Course involves the analytical study of force systems in equilibrium and the resulting stresses and strains in the materials of the system. Knowledge and methods for calculating the forces acting in systems will be addressed. In addition, the methods for applying basic materials and engineering principles to managing stress and strain within physical systems to ensure safety and the robustness of designs.

Prerequisites

MAT 130 and PHY 130 and PHY 131

DEPARTMENT:

Institute of Engineering

ENT286 - Introduction to Environmental Engineering Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to air and water pollution control, water and wastewater treatment, steam and groundwater hydrology, energy and resource demands. Included are discussion of ecological bases of water and air treatment systems, data and analyses, and statistical and computational techniques.

DEPARTMENT:

Institute of Engineering

ENT287 - Statics for Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course covering the branch of mechanics which deals with the effects of forces acting on a body at rest. The course deals with the graphical and analytical study of force systems in equilibrium. This entails an understanding of applied and frictional forces, centers of gravity, and vectors.

Prerequisites

MAT 130, PHY 130 and 131

DEPARTMENT:

Institute of Engineering

ENT293 - Manufacturing Process and Materials
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A technical and economic analysis of the various methods of fabrication, processes utilized and materials used in today's manufacturing industry. (Fall)

DEPARTMENT:

Institute of Engineering

ENT358 - Mechanical and Electrical Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of mechanical and electrical systems in buildings including air conditioning, heating, plumbing, fire protection, electrical power and lighting.

Prerequisites

PHY 132/133 (or PHY 255/256)

DEPARTMENT:

Institute of Engineering

ENT364 - Introduction to Thermodynamics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Basic concepts of thermodynamics with an emphasis on the methods of solving a wide range of technical problems. Topics included are the first and second law, entropy, reversible and irreversible processes and ideal gases. (Spring)

Corequisites

MAT 308 or 330

DEPARTMENT:

Institute of Engineering

ENT382 - Hydraulics
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

The principles of fluid statics, dynamics and kinematics are addressed. Included are studies relating to fundamental laws for fluid motion in the form of Euler's Bernoulli's, impulse-momentum, and work-energy relationships. Also studied are resistance to flow, flow measurement, pumping equipment, and an introduction to compressible flow. (Spring)

Prerequisites

MAT 130 or 150

DEPARTMENT:

Institute of Engineering

ENT388 - International Experience in Engineering Technology
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A study abroad experience with technical content focusing on engineering technology applications and applied engineering concepts in a country other than the United States. The experience would highlight selected historical and modern contributions to engineering technology for another country and culture. The one, two, or three credit hour course would be based on the length of study abroad experience. Graded pass/fail.

DEPARTMENT:

Institute of Engineering

ENT393 - Engineering Economy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Economic evaluation and financial analysis of engineering systems alternatives to optimize the engineering decision process. (Fall and Spring)

Prerequisites

MAT 130 or 140

DEPARTMENT:

Institute of Engineering

ENT400 - Energy Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Development, distribution, use, and conservation of energy resources relative to societal applications are examined. Heat transfer within manufacturing and energy production systems and options for increasing thermodynamic and economic efficiencies are studied.

Prerequisites

MAT 230

DEPARTMENT:

Institute of Engineering

ENT419 - Senior Project I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A project-oriented study of actual manufacturing problems from area industry. The student will be given valuable industrial experience before leaving school. This course requires that students be able to apply all previously acquired knowledge in obtaining a viable solution to their projects.

DEPARTMENT:

Institute of Engineering

ENT420 - Senior Project II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A project-oriented study of actual manufacturing problems from area industry. The student will be given valuable industrial experience before leaving school. This course requires the students be able to apply all previously acquired knowledge in obtaining a viable solution to their projects. This is the capstone course for the Electromechanical program and is the second part of the ENT 419 and ENT 420 series.

Prerequisites

ENT 419 and senior standing

DEPARTMENT:

Institute of Engineering

ENT458 - Applying the National Electric Code
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study and application of major parts of the National Electric Code including overcurrent protection, branch and feeder circuit calculations, grounding, motor control circuits, transformers and services. Studies will focus on applications to individual and multifamily dwelling units as well as industrial and commercial buildings. (Spring)

Prerequisites

EMT 110

DEPARTMENT:

Institute of Engineering

ENT491 - Industrial Operations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Quantitative analysis for planning, organizing and controlling a production/operations system. (Fall)

Prerequisites

CIS 243 and ENT 393

DEPARTMENT:

Institute of Engineering

ENT499 - FE Exam Review
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A review course for the Fundamentals of Engineering registration examination. The course is intended for seniors majoring in engineering technology.

DEPARTMENT:

Institute of Engineering

ENT610 - Geodetic Survey Systems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Mathematical and conceptual elements of advanced survey systems including instrument calibration and error detection, coordinate system rotation and translation, gyroscopic surveys, and applications of calculus to survey computations.

Prerequisites

CMA 381 and MAT 308

DEPARTMENT:

Institute of Engineering

ENT620 - Advanced Geodetic Surveying
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Concepts and procedures for advanced horizontal and vertical control surveys designed to support geographic information systems; least squares adjustment of both traditional and Global Positioning System observations; digital terrain modeling using triangulated irregular networks and various polynomials.

Prerequisites

CMA 381

DEPARTMENT:

Institute of Engineering

ENT655 - Environmental Regulatory Affairs
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Laws and regulations pertinent to the management of water and wastewater, hazardous and toxic wastes, air contaminants, underground storage tanks and other timely environmental issues are studied. General legal concepts, the relationships among industries and local, state, and federal agencies, environmental audits and community right-to-know requirements are among the topics included.

Prerequisites

CMA 342 and 353

DEPARTMENT:

Institute of Engineering

ENT681 - Pollution Assessment and Control
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A seminar/laboratory class that covers selected course areas within the environmental technology field. Pollution assessment and control will be introduced and specific topics will include environmental science and ecological principles; sampling and analytical techniques; regulatory considerations; and natural wastewater treatment systems.

DEPARTMENT:

Institute of Engineering

ENT682 - Industrial Ecology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The focus includes study of environmental planning and design to effect Total Quality Environmental Management (TQEM). Industrial economic impacts amid regulatory agency prescriptions and philosophical trade-off regarding energy conversion and pollution remediation and/or avoidance are addressed.

DEPARTMENT:

Institute of Engineering

ENT685 - Remediation Technology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study includes process design and operations for biological and physical/chemical systems used to remove organic and inorganic contaminants from soil and groundwater.

DEPARTMENT:

Institute of Engineering

ENT687 - Sustainable Environmental Technology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course focuses on analysis and design of environmental systems that enhance sustainable development and conserve natural resources. Topics include bioresiduals land application, natural treatment systems, life cycle analysis, and environmental economics.

DEPARTMENT:

Institute of Engineering

ERA: Experience-Rich Activity

ERA287 - Experience-Rich Activity
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students with reflection on experience-rich activities embedded in other courses or extra-curricular activities. Students will be required to submit written responses in reaction to the experience-rich activities. Repeatable.

Corequisites

Concurrent enrollment in an identified ERA course at the 100 or 200 level

DEPARTMENT:

ERA487 - Experience-Rich Activity
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students with reflection on experience-rich activities embedded in other courses or extra-curricular activities. Students will be required to submit written responses in reaction to the experience-rich activities. Repeatable.

Corequisites

Concurrent enrollment in an identified ERA course at the upper level (300-599)

DEPARTMENT:

Registrar (Bypass Departmental Committee)

ESS: Enhancing Student Success

ESS120 - College Study Skills
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Designed for college students who desire instruction in improving study skills. Emphasis is placed on time management, note-taking skills, test-taking skills, and content area study plans. Instructor reserve the right to limit upper-class enrollment. To be taken with or following REA 096 when the reading ACT score is below 21.

Prerequisites

REA 096; Reading ACT of 16 or below or KYOTE Reading score of 19 or below

DEPARTMENT:

Community College/Remediation

ESS121 - Advanced Reading and Study Skills Improvement
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Designed for all college students who desire individualized help in improving reading and study skills. Emphasis is placed on course-specific comprehension and study skills. To be taken only in conjunction with a specific University Studies requirement.

DEPARTMENT:

Community College/Remediation

ESS130 - College Success Strategies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course explores strategies for academic success and personal management leading to improved academic performance. The course focuses on areas in which students need assistance, awareness, and extra support. Topics discussed include college transitions; characteristics of successful college students; strategic learning; and major and career exploration. ESS 130 is a first year experience course that is required of all students admitted into the Pathways to Success (P2S) Program.

Prerequisites

Admission into the Pathways to Success Program

DEPARTMENT:

Community College/Remediation

ESS131 - College Success Strategies II
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This course continues to explore strategies for academic success and personal management leading to improved academic performance. This course focuses on areas in which students need assistance, awareness, and extra support. This is a required course for all students admitted into the Pathways to Success (P2S) Program.

Prerequisites

ESS 130 and admission into the Pathways to Success Program

DEPARTMENT:

Community College/Remediation

EXS: Exercise Science

EXS100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Applied Health Sciences

EXS101 - Introduction to Exercise Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of coursework, career options, and professional skills in exercise science and related health fields. The course will introduce the foundational concepts and theories used in exercise science.

DEPARTMENT:

Applied Health Sciences

EXS110 - Fundamentals of Fitness
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course designed to provide students with basic skills in activities like weight training, aerobics, and other lifetime activities. Topics will vary according to needs of students and expertise of faculty. Some travel to various facilities may be required.

DEPARTMENT:

Applied Health Sciences

EXS200 - Scholarly Writing in Exercise Science
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course is designed to enhance the students' scholarly writing ability. Students will locate, read, critique, and compose professional writing samples. The assignments will require students to adhere to writing conventions and style guidelines associated with professional writing in exercise science journals.

Prerequisites

ENG 105 and EXS 101

Corequisites

EXS 351

DEPARTMENT:

Applied Health Sciences

EXS201 - Data Evaluation in Exercise Science
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to enhance the students' use of spreadsheets, date management, and statistical analyses; therefore, some computer laboratory time may be required outside of class time. Students will manipulate data to create appropriate tables and figures. The assignments will require students to adhere to writing conventions and style guidelines associated with professional writing in exercise science journals.

Prerequisites

ENG 105 and EXS 101

DEPARTMENT:

Applied Health Sciences

EXS250 - Anatomical Concepts in Wellness
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to familiarize the student with basic anatomical and physiological principles of the human body. This course serves as a foundation for additional exercise science courses.

Prerequisites

BIO 101 or equivalent

DEPARTMENT:

Applied Health Sciences

EXS270 - Clinical Experience: Observation
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course designed to allow students interested in pursuing a career in athletic training to observe in the clinical athletic training sites. Students are required to observe 30 hours during the semester and complete the assigned modules. This course is recommended but not required for admission into the Athletic Training Program. This course is graded pass/fail.

DEPARTMENT:

Applied Health Sciences

EXS271 - Clinical Experience: Introduction
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course designed to introduce the basic concepts of athletic training and allow time for practicing the basic clinical competencies required for athletic training certification. The student will be required to attend clinical experience as assigned by the clinical coordinator. This course is a prerequisite to further courses within the curriculum.

Prerequisites

Admittance to the Athletic Training Program

DEPARTMENT:

Applied Health Sciences

EXS275 - Exercise Instruction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to develop knowledge and skills required to conduct and/or supervise exercise. Students will become familiar with a variety of exercise formats intended to enhance cardiorespiratory fitness, muscle strength and endurance, and musculoskeletal flexibility. Students develop the ability to select appropriate exercises, identify improper form/technique, recommend/demonstrate appropriate exercise progression, and modify exercises based on skill and/or to minimize injury. Field trips may be required.

Prerequisites

EXS 101

DEPARTMENT:

Applied Health Sciences

EXS295 - Acute Care of the Physically Active
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

A course designed for exercise and allied health science students working with physically active persons to respond to emergency situations. Students will learn to provide first aid and perform cardiopulmonary resuscitation (CPR) at the professional rescuer level. American Red Cross CPR for the Professional Rescuer, Responding to Emergencies First Aid, and other various certifications may be earned.

DEPARTMENT:

Applied Health Sciences

EXS301 - Care and Prevention of Injuries
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to discuss the most recent and relevant information on the prevention and treatment of injuries and conditions found in the physically active population.

Prerequisites

BIO 227 and 228 with a minimum grade of C

DEPARTMENT:

Applied Health Sciences

EXS304 - Evidence-Based Practice in Musculoskeletal Evaluation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to introduce students to the use of evidence in orthopedic clinical-decision making and skills required of clinicians during musculoskeletal evaluations. The skills taught in the course align with those of the clinical health professions involved in orthopedic evaluations.

Prerequisites

EXS 101

Corequisites

EXS 301

DEPARTMENT:

Applied Health Sciences

EXS305 - Bracing, Splinting and Taping
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A lab course designed for athletic trainers and others working with physically active persons. Students will learn how to properly fit braces, manufacture splints, and use prophylactic taping techniques on patients with musculoskeletal injuries.

DEPARTMENT:

Applied Health Sciences

EXS320 - Evaluation of Non-Orthopedic Conditions
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to prepare the student to use the proper terminology when communicating to other healthcare professionals, locate anatomical landmarks, and perform general evaluation techniques employed by health care workers. This course specifically covers evaluation and proper management of non-orthopedic conditions, including: thoracic and abdominal injuries, general medical conditions, psychosocial conditions, and dermatological conditions. Additional criteria apply for the Pre-Health Professional track.

Prerequisites

EXS 301; cumulative 2.50 GPA and advisor approval is required prior to enrollment in this course

DEPARTMENT:

Applied Health Sciences

EXS333 - Theories and Techniques in Strength and Conditioning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed to acquaint the students with comprehensive information on scientific principles, concepts, and theories of strength training and conditioning as well as the practical applications to sports medicine, health promotion, and wellness. The course also prepares the student for the Certified Strength and Conditioning Specialist examination.

Prerequisites

BIO 229 and 230 with a minimum grade of C

Corequisites

EXS 370

DEPARTMENT:

Applied Health Sciences

EXS350 - Exercise Physiology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

BIO450 - Exercise Physiology

Description

Students will become acquainted with general concepts in exercise physiology. Some topics to be included are cardiovascular function, neural control, musculoskeletal responses and respiratory function. (Same as BIO 450).

Prerequisites

BIO 229 and 230 with a minimum grade of C

DEPARTMENT:

Applied Health Sciences

EXS351 - Exercise Physiology Laboratory
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course is designed as a supplement to EXS 350 to provide students with hands on experience to explore the application of exercise physiology principles, specifically the acute responses of the cardiovascular, respiratory, biochemical/neuroendocrine, metabolic, musculoskeletal, and neuromuscular systems of the human body to physical activity/exercise in apparently healthy, conditioned and unconditioned, individuals.

Prerequisites

BIO 229 and 230

Corequisites

EXS 350 or BIO 450, and EXS 200 for EXS majors

DEPARTMENT:

Applied Health Sciences

EXS353 - Exercise Testing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This lecture course is designed to provide a comprehensive overview of the knowledge and skills relate to exercise testing. Students will learn the recommendations, guidelines, and practical knowledge necessary to select, conduct and interpret a wide variety of screenings and exercise tests commonly used in fitness, wellness, and clinical settings. Additionally, students will be able to develop, based on test results and client characteristics, appropriate health and exercise goals, to include risk factor reduction, for apparently healthy adults, as well as those with special considerations and stable disease. This course will emphasize case-study and inquiry-based learning approaches in the application of evidence-based recommendations and guidelines for exercise testing and disease prevention.

Prerequisites

EXS 200, 350, 351, and 2.75 cumulative GPA

Corequisites

EXS 354

DEPARTMENT:

Applied Health Sciences

EXS354 - Exercise Testing Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This lab course is designed as a supplement to EXS 353 to provide students with hands-on experience with protocols and techniques for assessing, evaluating, and interpreting various physiological parameters such as health screenings, body composition, aerobic fitness, musculoskeletal fitness, range of motion, balance and functional ability.

Prerequisites

EXS 200, 350, and 351

Corequisites

EXS 353

DEPARTMENT:

Applied Health Sciences

EXS356 - Health Promotion Programming
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HEA356 - Health Promotion Programming

Description

Provides practical application of the skills required to plan, implement, and assess a health promotion program for populations varied in age and setting. Students will complete one cycle of the process, applying theories, skills, and strategies discussed in class to provide a health promotion event within the local community. (Same as HEA 356.)

Prerequisites

EXS 101 or HEA 110, HEA 191, HEA 200

DEPARTMENT:

Applied Health Sciences

EXS370 - Kinesiology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of basic kinesiology with respect to human performance in physical activity and rehabilitation.

Prerequisites

BIO 227 and 228 with a minimum grade of C

DEPARTMENT:

Applied Health Sciences

EXS371 - Clinical Experience: Application
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to allow the athletic training student to apply the information learned in the didactic setting and practice the clinical competencies required for athletic training certification. The student will be required to attend clinical experience as assigned by the clinical coordinator. May be repeated for a maximum of nine hours, but no more than 12 hours from EXS 371 and 372 combined.

Prerequisites

EXS 271 and admission to the athletic training program

DEPARTMENT:

Applied Health Sciences

EXS372 - Clinical Experience: Integration
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to allow the athletic training student to integrate the information learned in the didactic setting and practice the clinical competencies required for athletic training certification. The student will be required to attend clinical experience as assigned by the clinical coordinator. May be repeated for a maximum of nine hours, but no more than 12 hours from EXS 371 and 372 combined.

Prerequisites

EXS 271 and admission to the athletic training program

DEPARTMENT:

Applied Health Sciences

EXS375 - Biomechanics in Sport and Exercise
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of basic biomechanics with respect to human performance including linear and angular kinematics, linear and angular kinetics, as well as, qualitative analysis of human movement.

Prerequisites

MAT 145 or higher

DEPARTMENT:

Applied Health Sciences

EXS380 - Sport Medicine Pharmacology
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course designed to familiarize students in allied health sciences with major therapeutic pharmacological substances and their effects on physically active individuals. This course will assist students who are preparing for certification in athletic training or certification through the American College of Sport Medicine. In addition, it will provide a basic foundation for pre-professional allied health students required to eventually complete a pharmacology course in their respective graduate programs.

Prerequisites

BIO 229, 230 and a 2.5 cumulative GPA

DEPARTMENT:

Applied Health Sciences

EXS385 - Sport and Exercise Psychology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is an introduction to the fields of sport and exercise psychology and sport sociology. The students will learn basic principles and applications of sport and exercise psychology, as well as the psychological factors which influence and impact sport performance, exercise adherence, and rehabilitation compliance.

Prerequisites

PSY 180

DEPARTMENT:

Applied Health Sciences

EXS390 - Therapeutic Modalities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to provide a comprehensive understanding of therapeutic modalities in the treatment of various illnesses, musculoskeletal conditions and injuries. The course content will teach the student to plan, implement, document, and evaluate therapeutic modalities within the rehabilitation process. Additional criteria apply for Pre-Health Professional track.

Prerequisites

EXS 301 and a cumulative 2.50 GPA

DEPARTMENT:

Applied Health Sciences

EXS400 - Research Design and Statistics for Allied Health
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to integrate and utilize statistical analysis techniques, including descriptive and inferential statistics. Students will understand and be able to develop research designs applicable to allied health professions.

Prerequisites

STA 135

DEPARTMENT:

Applied Health Sciences

EXS402 - Evaluation of the Lower Extremity
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to prepare the student to perform general orthopedic evaluation techniques. The course specifically covers evaluation techniques on the foot, ankle, lower leg, knee, upper leg, hip, pelvic girdle, low back, gait, and postural assessment. Additional criteria apply for Pre-Health Professional track.

Prerequisites

EXS 304 and a cumulative 2.50 GPA

DEPARTMENT:

Applied Health Sciences

EXS403 - Evaluation of the Upper Extremity
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to prepare the student to perform general orthopedic evaluation techniques. The course specifically covers evaluation techniques on the head, neck, shoulder girdle, upper arm, elbow, forearm, wrist, hand, and thorax. Additional criteria apply for Pre-Health Professional track.

Prerequisites

EXS 304 and a cumulative 2.50 GPA

DEPARTMENT:

Applied Health Sciences

EXS405 - Exercise Prescription
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to provide a comprehensive overview of the knowledge and skills related to primary and secondary disease prevention, and exercise programming for individuals who are apparently healthy as well as those who have special considerations to include those with health conditions and/or stable disease. An observation experience is required.

Prerequisites

EXS 353 and 354; 2.75 cumulative GPA

DEPARTMENT:

Applied Health Sciences

EXS415 - Exercise Testing and Prescription in Clinical Populations

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to provide a comprehensive overview of disease pathophysiology, disease management, recommendations for exercise testing and prescription, and the benefits of exercise training, emphasizing the role of exercise in inpatient and outpatient rehabilitation, community-based programs, and secondary prevention. This course will emphasize case-study and inquiry approaches in the application of evidence-based recommendations and guidelines in the management of persons with chronic diseases and disabilities in a clinical setting.

Prerequisites

EXS 353 and 354, 2.75 cumulative GPA

DEPARTMENT:

Applied Health Sciences

EXS420 - Rehabilitation Techniques

CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course designed to provide a comprehensive understanding of rehabilitation techniques in the treatment of various illnesses, musculoskeletal conditions, and injuries. Course content will teach the student to plan, implement, document, and evaluate therapeutic exercise programs. Additional criteria apply for Pre-Health Professional track.

Prerequisites

EXS 301 and a cumulative 2.50 GPA

DEPARTMENT:

Applied Health Sciences

EXS421 - Rehabilitation Techniques Lab
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course designed as a supplement to EXS 420 to provide additional opportunity to apply knowledge of course material. Additional criteria apply for Pre-Health Professional track.

Prerequisites

EXS 301, 420, and a cumulative 2.50 GPA

DEPARTMENT:

Applied Health Sciences

EXS433 - Advanced Practices in Strength and Conditioning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed to advance the exercise science major with comprehensive information on research-based scientific principles, concepts, and theories of strength training and conditioning, as well as, the professional applications to elite and collegiate athletics.

Prerequisites

EXS 333 or EXS 353 (preferred)

DEPARTMENT:

Applied Health Sciences

EXS435 - Neuroanatomy and Physiology for Applied Health Sciences

CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

CDI410 - Neuroscience for Communication Disorders

Description

A study of the organization of tissues and gross structural elements of the human nervous system and current knowledge of the physiology of neural transmission. The course will cover the neural substrates for cognition, communication, and movement and will explore clinically relevant pathology related to function. (Same as CDI 410.)

Prerequisites

Cumulative GPA of 2.5 and admission to the communication disorders program

DEPARTMENT:

Applied Health Sciences

EXS445 - Senior Seminar I

CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course serves as a preparatory course for students attempting a certification exam through the American College of Sports Medicine or other related professional organization. Satisfactory completion of this course is dependent on obtaining at least a 75% on a comprehensive major field test.

Prerequisites

Students must be enrolled in final semester of EXS core coursework and have a 2.75 cumulative GPA

DEPARTMENT:

Applied Health Sciences

EXS446 - Senior Seminar II
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This course serves as a preparatory course for students wishing to take the Certified Strength and Conditioning Specialist certification exam through the National Strength and Conditioning Association.

Prerequisites

Senior status and EXS 333

DEPARTMENT:

Applied Health Sciences

EXS460 - Practicum
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Students will develop valuable instructional, supervisory and leadership skills related to the hands-on performance of health screenings, exercise testing, and data collection under the supervision of faculty. Students will prepare laboratory materials for exercise science laboratory courses, assess student learning, and/or assist with research projects. This experience provides additional skills for students pursuing health science graduate program degrees. Course is repeatable for a maximum of six credit hours.

Prerequisites

Senior status, EXS 353 and 354, and a cumulative GPA of 3.0

DEPARTMENT:

Applied Health Sciences

EXS465 - Advanced Exercise Physiology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of advanced concepts presented in EXS 450. Some exercise physiology topics to be included are metabolic demands, nutritional needs, performance enhancement issues, gender differences, endocrine, aging, and immune system changes. Laboratory activities will be integrated where appropriate. Outside activities related to specific topics will be included. A research paper will be required.

Prerequisites

EXS 350 and a cumulative GPA of 2.5

DEPARTMENT:

Applied Health Sciences

EXS469 - Professional Experience I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Placement in wellness centers, industry, hospitals physicians' offices, and rehabilitation clinics for practical experience prior to graduation. This course is to be taken after the majority of other coursework has been completed. Additional criteria apply for students in the pre-health professional track.

Prerequisites

2.75 cumulative GPA

DEPARTMENT:

Applied Health Sciences

EXS470 - Professional Experience II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Placement in wellness centers, industry, hospitals, physicians' offices, and rehabilitation clinics for practical experience prior to graduation. This course is to be taken the last semester before graduation or the following summer. May be taken concurrently with EXS 469. Additional criteria apply for students in the pre-health professional track.

Prerequisites

2.75 cumulative GPA, CPR certification, and permission of instructo

DEPARTMENT:

Applied Health Sciences

EXS471 - Organizational Management in Health Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to familiarize the student with administrative knowledge and skills associated with the daily operation of various applied health science employment settings. Course content includes program management and culture, leadership, conflict resolution and communication, human resources management, financial planning, facility design, business planning, public relations and marketing, legal and ethical issues, and work-life balances.

Prerequisites

A cumulative 2.75 GPA, completion of at least 75 credit hours, and advisor approval are required prior to enrollment

DEPARTMENT:

Applied Health Sciences

EXS480 - Special Problems in Exercise Science
CREDITS:

1 - 18

COURSE LEVEL:

Undergraduate

Description

Course may be repeated for a maximum of six hours when topic differs. For EXS students admitted to the MSOT program via the accelerated route, the course may be repeated for a maximum of 18 hours.

DEPARTMENT:

Applied Health Sciences

FCS: Family and Consumer Studies

FCS110 - Introduction to Early Childhood Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will serve as a practical and basic introduction to the early childhood profession. It satisfies the requirements for the Kentucky Commonwealth Child Care Credential and serves as a foundation for initial skills and knowledge for early childhood professionals. Field experiences are required.

DEPARTMENT:

Adolescent, Career and Special Education

FCS111 - The Family and Its Environment
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the changing structure and dynamics of families in our diverse society. Identification of changes and choices available to family members and critical issues facing families. Some topics that may be included are: changing gender role expectations, family policy, communication in families, family violence, divorce and effects on family, aging families, parent-child relationships, cultural and racial diversity, remarriage and blended families, and myths and facts about families.

DEPARTMENT:

Adolescent, Career and Special Education

FCS241 - Family Economics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The class is designed to introduce the student to the principles of money management. Class members will learn the basic buying skills needed when shopping for transportation, clothing, food, housing, recreation and insurance. In addition, the fundamental concepts of credit, borrowing, taxes, investments and estate planning will be studied.

DEPARTMENT:

Adolescent, Career and Special Education

FCS250 - Early Childhood Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

In-depth study of early childhood, infancy through age eight, including concepts, principles, and development theories. Students will observe, record and analyze the social, emotional, physical, and cognitive development of the typical and atypical child at multiple developmental stages in the social and cultural context. Field experience is required.

DEPARTMENT:

Adolescent, Career and Special Education

FCS330 - Housing and the Family
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of the impact of housing on families and individuals in communities; focus on housing norms, policies, economic factors and human needs as guides for decisions related to shelter and residential communities. Application of design principles, better living design/universal design concepts, material selection, building codes/regulations, cost and ecological considerations will guide development of scaled drawing skills to address the needs of families across the lifespan.

DEPARTMENT:

Adolescent, Career and Special Education

FCS342 - Consumer Decision Making
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A decision making model is used to study consumer decision making throughout the life cycle. Goal setting, consumer redress, money management, financial planning and buymanship are explored. Emphasis is placed on consumer responsibility in relation to environmental and energy concerns. Global interdependence issues are also included.

DEPARTMENT:

Adolescent, Career and Special Education

FCS350 - Food Science and Laboratory Management for Family and Consumer Sciences Teachers
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

In this course students will explore physical and chemical properties of food in relation to quality, safety, selection, preparation and standards. Through course and lab experiences, students will develop knowledge and skills applicable to the FCS formal and non-formal education.

Prerequisites

NTN 230

DEPARTMENT:

Adolescent, Career and Special Education

FCS359 - Methods of Teaching Family and Consumer Sciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Development of planning and organizational teaching skills, use of resource materials and simulated teaching experiences. Principles of learning, curriculum planning, styles of management.

DEPARTMENT:

Adolescent, Career and Special Education

FCS413 - Marriage and Family Relationships
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Exploration of personal values and personal development as they relate to traditional and nontraditional marriage, and a study of family life styles in contemporary society.

DEPARTMENT:

Adolescent, Career and Special Education

FCS442 - Family Resource Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the theory underlying family resource management practices. Provides an opportunity for students to apply their skills in managing time, energy, money and human capital in individual and family settings.

Prerequisites

None

DEPARTMENT:

Adolescent, Career and Special Education

FCS469 - Curriculum in Family and Consumer Sciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of scope of family and consumer sciences education including foundations, legislation, current curriculum perspectives, programs of study and related program formats, including experiences with Family, Career, and Community Leaders of America (FCCLA). Focus on curriculum development and problem-based learning opportunities.

Prerequisites

FCS 359 and admission to Teacher Education

DEPARTMENT:

Adolescent, Career and Special Education

FCS601 - Problems in Family and Consumer Studies
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

This course is designed to permit special study in selected areas of family and consumer studies. May be repeated for a maximum of six credits.

DEPARTMENT:

Adolescent, Career and Special Education

FCS611 - Readings in Family and Consumer Studies
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Directed readings of individualized professional family and consumer studies topics. Critique of readings and oral presentation.

DEPARTMENT:

Adolescent, Career and Special Education

FCS625 - Advanced Child Development Programs
CREDITS:

3

COURSE LEVEL:

Graduate

Description

In-depth study of theories of child development and an examination of current problems and critical issues.

DEPARTMENT:

Adolescent, Career and Special Education

FCS627 - Parenting
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Principles and theoretical perspectives on the act of parenting. Emphasis on parent-child relationships, establishing and maintaining a nurturing relationship between parents and children, and parent-child communication. Current issues affecting parenting are also studied.

DEPARTMENT:

Adolescent, Career and Special Education

FIN: Finance

FIN100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Economics and Finance

FIN230 - Personal Financial Planning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course prepares the student to manage his or her own personal financial affairs in a competent manner as well as providing a foundation for later study and work in the financial planning field. Designed to meet the needs of both business and non-business majors. Cannot receive credit for both FIN 230 and ECO 190.

DEPARTMENT:

Economics and Finance

FIN330 - Principles of Finance
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A comprehensive study of the field of finance, covering institutions, financial markets, investments, financial theory and techniques relating to financial decisions in business.

Prerequisites

ACC 200 and junior standing or conditional or full admission to upper-level business courses

DEPARTMENT:

Economics and Finance

FIN331 - Principles of Insurance
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed to give the student a basic understanding of the principles and practices of insurance. Topics included are insurance in general, life insurance, disability insurance, fire insurance, transportation insurance, legal liability and property damage insurance, insurance against dishonesty and failure of others.

Prerequisites

Junior standing

DEPARTMENT:

Economics and Finance

FIN332 - Financial Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the financial management of business firms, with emphasis on the development of analytical and decision-making techniques. Major subject areas include financial planning; capital budgeting; evaluation of alternative sources of short-term, intermediate and long-term funds; and acquisitions.

Prerequisites

Junior standing and FIN 330

DEPARTMENT:

Economics and Finance

FIN333 - Principles of Investment
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of marketable securities that can be purchased and sold by investors on a daily basis. Such investments as bonds, common stocks, options and futures are included.

Prerequisites

Junior standing and FIN 330

DEPARTMENT:

Economics and Finance

FIN334 - Banking and Financial Institutions
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Issues concerning commercial banks and other financial institutions are studied. Topics include the history of banks, bank financial statements, regulatory agencies, laws and regulations, credit analysis, investment policies, equity reserves, mortgage markets, and capital accounts.

Prerequisites

Junior standing and FIN 330

DEPARTMENT:

Economics and Finance

FIN336 - Employee Benefits and Retirement
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course introduces and explores the concepts involved in developing retirement and employee benefit plans from both the employer and employee perspectives. The legislation that impacts plan design and the tax advantages and disadvantages of various qualified and non-qualified plans including IRAs and pension and profit sharing plans will be discussed. Also addressed are federal Social Security, Medicare, and business applications.

Prerequisites

Junior standing and FIN 330

DEPARTMENT:

Economics and Finance

FIN338 - Estate Planning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course introduces and explores the concepts involved in estate planning. It examines estate planning from a professional financial planning viewpoint. The legislation that impacts plan design and the tax advantages and disadvantages of various estate planning options will be discussed.

Prerequisites

Junior standing and FIN 330

DEPARTMENT:

Economics and Finance

FIN344 - Principles of Lending and Financial Statements
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A comprehensive study of the field of commercial and consumer lending to include financial statement analysis, credit analysis, loan products, loan structuring, loan documents, and techniques relating to the bank lending function.

Prerequisites

FIN 334

DEPARTMENT:

Economics and Finance

FIN350 - Introduction to Counter Threat Financing Methodologies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will introduce students to the use of financial intelligence and investigative methods to target, disrupt, and dismantle organizations involved in terrorism, organized crime, and the use of money as a weapon. The course will explore domestic and international financial policy as it relates to the United States intelligence community and federal investigative agencies. The course will examine the partnership between national governments and the private sector through organizations like the United Nations, the Financial Action Task Force, the World Bank, etc. Students completing this course will have a solid and basic understanding of current initiatives within the U.S. and internationally to combat the threat of illicit financing methods.

Prerequisites

FIN 330

DEPARTMENT:

Economics and Finance

FIN354 - Bank Compliance Issues
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A comprehensive study of the field of deposit and lending compliance to include statutory and law analysis, the difference between regulation and guidance, and an overview of the different regulators examining institutions.

Prerequisites

FIN 334

DEPARTMENT:

Economics and Finance

FIN420 - Behavioral Finance
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the foundations of behavioral aspects of economics and finance with a focus on how individual behavior can effect decision making processes and influence financial markets.

Prerequisites

FIN 330

DEPARTMENT:

Economics and Finance

FIN421 - Financial Models
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Applications of financial models on the microcomputer, leading to the solution of financial problems. Emphasis is placed on building and using models developed (1) in electronic worksheets, and (2) with database software.

Prerequisites

FIN 330

DEPARTMENT:

Economics and Finance

FIN432 - Corporate Finance
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of important issues in corporate finance with a focus on the long-term decision-making aspects of corporations and the methods that determine such decisions. The main topics include capital structure, capital budgeting, and payout policy.

Prerequisites

FIN 332

DEPARTMENT:

Economics and Finance

FIN461 - International Financial Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the contemporary corporation in a multinational setting. An in-depth analysis of risks and opportunities available for the global corporation.

Prerequisites

FIN 330

DEPARTMENT:

Economics and Finance

FIN480 - Senior Seminar in Finance
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This is the finance capstone course that also serves as a designated communications course. Finance 480 uses case studies to give students an opportunity to incorporate various financial concepts and techniques in financial decision making. Students are required to work in teams to prepare and present case reports to the class.

Prerequisites

FIN 332 and senior standing

DEPARTMENT:

Economics and Finance

FIN488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Economics and Finance

FIN489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of chair

DEPARTMENT:

Economics and Finance

FIN505 - Internship in Finance
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Open to junior and senior finance majors. These students, upon approval of the finance faculty, are placed with cooperating firms to receive on-the-job training in finance. Work experience supervised by faculty; written reports are required. Graded pass/fail.

Prerequisites

Permission of department chair

DEPARTMENT:

Economics and Finance

FIN520 - Risk Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of appropriate risk management techniques for the contemporary financial and nonfinancial corporation. Although a wide variety of techniques are covered, the focus is upon use of hedging strategies to reduce risk.

Prerequisites

FIN 330

DEPARTMENT:

Economics and Finance

FIN522 - Portfolio Management and Theory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to portfolio management. Emphasis on modern techniques of security selection which are directed toward risk diversification and portfolio balance. Students manage a real portfolio by basing buy/sell decisions on current market data. Computer programs are used in the portfolio selection and evaluation process.

Prerequisites

FIN 330

DEPARTMENT:

Economics and Finance

FIN537 - Commercial Banking
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An applied approach to studying the issues concerning today's banks from a management perspective. Topics and activities include a bank simulation, credit analysis case studies, safety and soundness issues, competition in the banking industry, regulatory agencies, laws and regulations, and current topics in the banking industry.

Prerequisites

FIN 334

DEPARTMENT:

Economics and Finance

FIN550 - Derivative Securities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study in the understanding of current derivative securities and the markets in which they are traded. It includes the design and testing of innovative derivative securities.

Prerequisites

FIN 330 and MAT 220 or equivalent.

DEPARTMENT:

Economics and Finance

FIN595 - Special Problems
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Research by students in fields of special interest. Includes project research studies and intensive reading programs, accompanied by conferences with professors in fields involved.

DEPARTMENT:

Economics and Finance

FIN602 - Corporate Finance
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Practical application of the finance function in a company with specific emphasis on maximizing the value of the firm for its shareholders. Financial decision-making integrated with the theory of capital markets. Particular attention is given to the areas of investment, capital structure, short-term financing, and working capital management.

DEPARTMENT:

Economics and Finance

FIN610 - Economic Development Finance
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will introduce students to the financial concepts, tools, programs, and practices needed by economic development professionals.

DEPARTMENT:

Economics and Finance

FIN612 - Capital Investment Analysis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth examination of long-term investment and financing decisions. The material to be covered will include financial analysis and forecasting, the theories and techniques employed in capital investment analyses and capital structure decisions, and the sources and uses of long-term financing.

Prerequisites

FIN 330 or equivalent

DEPARTMENT:

Economics and Finance

FIN620 - Risk Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of appropriate risk management techniques for the contemporary financial and nonfinancial corporation. Although a wide variety of techniques are covered, the focus is upon use of hedging strategies to reduce risk.

Prerequisites

FIN 330

DEPARTMENT:

Economics and Finance

FIN621 - Financial Models
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Applications of financial models on the microcomputer, leading to the solution of financial problems. Emphasis is placed on (1) building and using models developed in electronic worksheets, and (2) construction of financial systems using database software.

Prerequisites

FIN 330 or equivalent

DEPARTMENT:

Economics and Finance

FIN622 - Portfolio Management and Theory
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An introduction to portfolio management. Emphasis on modern techniques of security selection which are directed toward risk diversification and portfolio balance. Students manage a real portfolio by basing buy/sell decisions on current market data. Computer programs are used in the portfolio selection and evaluation process.

Prerequisites

FIN 330

DEPARTMENT:

Economics and Finance

FIN632 - Investment Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study and analysis of financial investments. Emphasis is on common stock and bonds with lesser emphasis on derivative securities as potential investments. Modern portfolio theory and the related implications for expected rates of return on risky assets is examined. The influence that financial markets can have on all aspects of the global economy is addressed. Not available to students who have taken FIN 522.

Prerequisites

FIN 602

DEPARTMENT:

Economics and Finance

FIN633 - Analytical Methods in Finance
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Practical analysis of financial problems in case-oriented format. Financial models will be used to place the data in analytical form to aid the analysis. Emphasis will be placed upon developing logical approaches and methods for problem-solving.

Prerequisites

FIN 330 with a minimum grade of C, FIN 602

DEPARTMENT:

Economics and Finance

FIN634 - Financial Markets and Institutions
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A global perspective of the operation and functions of financial institutions and markets. Major subject areas include various financial markets, financial institutions, regulations, ethics, and future trends.

Prerequisites

FIN 602 or equivalent

DEPARTMENT:

Economics and Finance

FIN637 - Commercial Banking
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Problems of commercial banking from the point of view of bank management are studied. Topics covered are asset reserves, credit analysis, investment policies, equity reserves and capital account.

Prerequisites

FIN 330

DEPARTMENT:

Economics and Finance

FIN650 - Derivative Securities
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study in the understanding of current derivative securities and the markets in which they are traded; the design and testing of innovative derivative securities.

Prerequisites

FIN 602 and MAT 220

DEPARTMENT:

Economics and Finance

FIN661 - International Financial Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Applies theories of managerial and international finance to the problems of international financial management. Topics include investment analysis, financing decisions, identifying, measuring and managing foreign exchange and interest rate risk, financing of trade, and financial control of international operations.

Prerequisites

FIN 330

DEPARTMENT:

Economics and Finance

FIN691 - Financial Planning Seminar I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course provides students with comprehensive exposure to key elements of personal financial planning from a professional practitioner viewpoint. The course provides students with an introduction to the following areas:

Investment Planning -- A Student of marketable securities can be purchased and sold by investors on a daily basis. Such investments as bonds, common stocks, options and futures are included.

Insurance Planning -- Designed to give the student a basic understanding of the principles and practices of insurance. Topics included are insurance in general, life insurance, disability insurance, file insurance, transportation insurance, legal liability and property damage insurance, insurance against dishonesty and failure of others.

Fundamentals of Financial Planning -- The course is designed to enhance the knowledge, skills and abilities of individuals seeking to attain CFP certification and implement an assessment of their ability to deliver professional and competent financial planning services to the public.

DEPARTMENT:

Economics and Finance

FIN692 - Financial Planning Seminar II

CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course provides students with comprehensive exposure to key elements of personal financial planning from a professional practitioner viewpoint. The course provides students with an introduction to the following areas:

Federal Income Tax -- Federal income tax fundamentals under the latest amendments to the Internal Revenue Code; rates; credits, inclusions in and exclusions from gross income; recognition of basis for gain or loss; capital gains and losses; dividends; deductions; with emphasis on individual income tax returns.

Estate Planning -- Introduces and explores the concepts involved in estate planning. It examines estate planning from a professional financial planning viewpoint. The legislation that impacts plan design and the tax advantages and disadvantages of various estate planning options will be discussed.

Retirement Planning -- provides students with a fundamental introduction to retirement planning and employee benefits, including public and private retirement plans as well as group and fringe benefits. Specifically, the course will cover the public retirement plans including Social Security, Medicare and Medicaid as well as the private plans including both defined benefit and defined contribution plans. IN addition, the course will provide students with an understanding of the regulatory provisions associated with the installation, administration and termination of retirement plans, the specific characteristics of the various plans available including qualified, non-qualified and other advantaged plans. Finally, the course will detail employee group and fringe benefits and the taxation of these benefit plans, and the issues that individuals face in retirement, such as life-style choices and medical issues.

DEPARTMENT:

Economics and Finance

FIN695 - Special Problems

CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Research by graduate students in fields of special interests. Includes project research studies and intensive reading programs, accompanied by conferences with professors in field involved.

Prerequisites

12 hours of graduate credit in business and consent of instructor

DEPARTMENT:

Economics and Finance

FIN698 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Economics and Finance

FIN699 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Economics and Finance

FRE: French

FRE101 - Fundamental Communication in French
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Basic French in which students learn to describe themselves to someone from another culture; to express preferences, abilities, needs, and obligations; to ask for information; to describe people, places, and things in their world; and to report their typical activities to a French speaker.

DEPARTMENT:

Global Languages and Theatre Arts

FRE102 - Social Interactions in French
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Expanding upon skills built in FRE 101, students move toward increasing linguistic and social awareness of French-speaking cultures. Students learn to use past tenses to talk about typical activities or to tell a story; to expand their basic vocabulary and ability to communicate in simple French; and to demonstrate basic understanding of aspects of French or Francophone culture that may differ from their own.

Prerequisites

FRE 101 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

FRE105 - Introduction to French Culture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of contemporary French character and society. Using a historical perspective, attitudes, achievements, institutions and life styles of the French people are explored. Designed to satisfy the university studies humanities requirement. Taught in English.

DEPARTMENT:

Global Languages and Theatre Arts

FRE110 - Basic Conversational French
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A conversation-oriented introduction to pronunciation, essential structures, and vocabulary. Designed to enable students to communicate in simple French in everyday situations in French-speaking countries. Pronunciation, listening comprehension, speaking and simple reading and writing of material related to conversational situations are included. No continuation offered. Not applicable toward French major or minor. Only taught abroad.

DEPARTMENT:

Global Languages and Theatre Arts

FRE201 - Intercultural Communications in French
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students strengthen their basic language skills while continuing to broaden cultural awareness of French-speaking societies. Students relate experiences, produce brief reports on course topics, and express opinions concerning a variety of themes. Students learn to communicate on a more complex level in French. Taught in French.

Prerequisites

FRE 102 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

FRE202 - Practical Applications in French
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students advance their speaking, writing, reading, and listening language skills in this interactive course focused on the practical application of the language in contemporary French-speaking countries. Activities include role-play, projects, reports, and discussions of texts. Taught in French.

Prerequisites

FRE 201 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

FRE203 - French for the Working World
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation from French 201, this course is a practical application of French for the working world together with grammar review and with emphasis on communication skills on the formal level. Includes further practice in listening, conversation, reading and writing. Students may be required to attend and write a report on two approved cultural events or complete alternative cultural assignments. Taught in French. Students may receive credit for French 202 or 203, but not both. French 203 counts toward the minor and the major.

Prerequisites

French 201 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

FRE210 - Intermediate French Conversation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to develop the vocabulary and oral communication skills of the student with a background of one year of college French or equivalent. Emphasis will be placed on bringing the student into contact with French native speakers and various aspects of their culture. May count as an elective for French major or minor. Only taught abroad.

Prerequisites

FRE 102 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

FRE301 - Social Issues in French Texts
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of social issues through the reading, discussion, and written analysis of authentic texts in French-speaking cultures in Europe, Canada, Africa, and the Caribbean. While examining these issues, the student will also learn and practice the rudiments of literary interpretation.

Prerequisites

FRE 202

DEPARTMENT:

Global Languages and Theatre Arts

FRE302 - Conversation and Composition
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Additional practice in speaking and writing based on a variety of topics and materials.

Prerequisites

FRE 301

DEPARTMENT:

Global Languages and Theatre Arts

FRE305 - Advanced Studies in French Culture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of contemporary French character and society using a historical and socio-cultural perspective. Attitudes, achievements, institutions and lifestyles of the French people are explored. The course will introduce cross-cultural theory and address topics such as geography, history, art, architecture, education, government, economics, social systems and socio-political issues of France. Students will be able to explore specific topics according to their interests. Taught in English.

Prerequisites

FRE 202

DEPARTMENT:

Global Languages and Theatre Arts

FRE306 - Introduction to French Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to literary analysis, designed to develop skills in reading, oral expression and expository writing. A variety of genres will be presented: short story, poetry, the novel, and theater.

Prerequisites

FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE310 - Conversation and Composition Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Intensive practice in speaking and writing based on the student's interaction with native speakers and the international setting. Only taught abroad. Counts toward the major and minor approved electives.

Prerequisites

Two years of college French or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

FRE314 - Advanced French Culture Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

French culture taught in French and only taught in study-abroad programs in countries where French is a vernacular language. The course may include carefully planned excursions to a number of specific cultural sites in conjunction with reading about the sites and the intellectual history and milieu behind their conception. The student will explore the history, art, architecture, literature, politics, and music of the host country.

Prerequisites

FRE 202 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

FRE315 - Global Cinema in French
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of French cinema and cinema in French beyond French borders, examining significant directors and film movements. This class includes a two hour per week film screening in addition to class meetings. This course is conducted in French.

Prerequisites

FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE323 - French Culture and Civilization
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the contributions of France to world culture including the historical development of France from prehistoric times through the French Revolution. Classes conducted in French with extensive use of visual aids.

Prerequisites

FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE324 - Contemporary French Culture and Civilization
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of attitudes, achievements, and behavioral characteristics of the French people from 1800 to the present. Classes conducted in French with extensive use of audio and visual aids.

Prerequisites

FRE 301

DEPARTMENT:

Global Languages and Theatre Arts

FRE330 - French Literary Texts in Context
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Will be taught on summer abroad programs in French-speaking countries only. It is an introductory course in French and/or Francophone literature taught in French. Authentic texts might include poetry, short story, drama or excerpts from long works and might be from any literary period. An effort will be made to take advantage of residence in French-speaking countries through visits to sites that are related to the literature.

Prerequisites

FRE 202 or 203

DEPARTMENT:

Global Languages and Theatre Arts

FRE331 - Advanced Language Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will offer students the opportunity to expand their cultural and linguistic knowledge of French-speaking cultures through a central conceptual framework, such as an international conference, an apartment building, a hotel, or a business. Students will engage in extensive role-play and creative exercises to establish contexts, choose fictive identities, and improvise a series of encounters.

Prerequisites

FRE 202

DEPARTMENT:

Global Languages and Theatre Arts

FRE332 - Phonetics and Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

In-depth study of French sounds, intonation patterns, articulation of words, and rhythm of sentences. Practice with the phonetic alphabet and discovery of French literary texts.

Prerequisites

FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE401 - Survey of French Literature I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Representative masterpieces of the novel, poetry and theatre from the Middle Ages to the eighteenth century.

Prerequisites

FRE 301

DEPARTMENT:

Global Languages and Theatre Arts

FRE402 - Survey of French Literature II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Representative masterpieces of the novel, poetry, and theatre for the nineteenth and twentieth centuries.

Prerequisites

FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE419 - European Cinema
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of European (including British) film by French, English, German, and Spanish directors in the original languages with English subtitles except for the English language films. Selected films will be organized around social themes, which will then be viewed from different national perspectives. The common discussion section on one day will be conducted in English to be accessible to students of all languages; the second discussion section will be conducted in French. Students are required to attend film viewings in a separate lab section.

Prerequisites

FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE421 - Topics in French Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course content will vary according to the needs of the French program. May be repeated to a maximum of nine credit hours.

Prerequisites

FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE430 - Advanced Conversation and Composition
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

For the advanced student who has completed a 300-level conversation and composition course or who has had extensive experience with French language.

Prerequisites

FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE441 - Cultural Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course content will include a variety of factors that contribute to and reflect the cultural life, social themes, and national perspectives of French society. The course content will include literature and may include media and/or film. Students will write a research paper. May be repeated for a maximum of six credit hours.

Prerequisites

FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE450 - Literary Masterpieces in French
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A general survey of the literary periods, major authors, and initial acquaintance with their work. May be repeated for a maximum of six credit hours.

Prerequisites

FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE451 - Directed Study
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Independent work in the area of language, culture or literature, designed to meet the needs and interests of individual students.

Prerequisites

FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE460 - Studies in a Genre
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course will explore a particular genre, e.g., the novel, novella, drama, poetry, short story, and the theory behind the respective genre and an examination of a variety of works within that genre. May be repeated as a second course for up to six credit hours provided that the second course covers a different genre.

Prerequisites

FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE501 - Middle Ages Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of representative works of French literature dating from 1095 to 1600.

Prerequisites

Junior standing or above, FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE503 - Seventeenth- and Eighteenth-Century Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of representative literary works from the period 1600 to 1795.

Prerequisites

Junior standing or above, FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE505 - Nineteenth-Century Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of representative literary works published between 1800 and 1899.

Prerequisites

Junior standing or above, FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE507 - Twentieth-Century Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of representative literary works published since 1900.

Prerequisites

Junior standing or above, FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE521 - Topics in French Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course content at the discretion of the instructor.

Prerequisites

Junior standing or above, FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE531 - Advanced Grammar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A comparative study of the grammatical structures of French and English.

Prerequisites

Junior standing or above, FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE532 - Phonetics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to linguistic terminology and principles of phonology with intensive individual diagnosis and practice of the French phonological system. Includes study and practice of the International Phonetic Alphabet.

Prerequisites

Junior standing or above, FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE551 - Directed Study
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Independent work in areas of language, culture or literature, designed to meet needs and interests of individual students.

Prerequisites

Junior standing or above, FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE552 - Directed Study II
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

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Prerequisites

Junior standing or above, FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE555 - Study Abroad
CREDITS:

3 - 9

COURSE LEVEL:

Undergraduate

Description

Approved programs of travel and study in French-speaking countries. Repeatable up to nine hours.

Prerequisites

Junior standing or above, FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE621 - Topics in French Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course content at the discretion of the instructor. May be repeated for up to six hours of credit.

Prerequisites

FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE651 - Directed Study
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Independent work in areas of language, culture or literature, designed to meet needs and interests of individual students. May be repeated for up to six hours of credit.

Prerequisites

FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE652 - Directed Study II
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

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Prerequisites

FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FRE655 - Study Abroad
CREDITS:

3 - 9

COURSE LEVEL:

Graduate

Description

Approved programs of travel and study in French-speaking countries. Repeatable up to nine hours.

Prerequisites

FRE 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

FTR: Freshman Transitions

FTR100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minors(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success; and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Management, Marketing and Business Administration

FYE: Freshman Year Experience

FYE098 - New Student Orientation
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course designed to assist students admitted with conditions in the academic and social transitions associated with college life. The development of specific success skills such as time management, note-taking, study strategies, and academic and career guidance activities will be included in the class.

DEPARTMENT:

Interdisciplinary

FYE100 - Transitions II
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course designed to assist students in the academic and social transitions associated with college life. The development of specific success skills such as time management, note-taking and study strategies, and career and academic guidance activities will be included in this class. Credit earned in this course may not be counted toward graduation requirements.

Prerequisites

First semester, conditional admission status students with a declared major who are concurrently enrolled in a departmental 099 class or special population students by approval of instructor

DEPARTMENT:

Interdisciplinary

GCM: Graphic Communications Media

GCM151 - Introduction to Graphic Communications
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Reviews the graphic reproduction systems of mass-communication including print manufacturing, digital imaging, computer animation, video capturing, customer service, business operations, and global media marketing. Lecture and laboratory.

DEPARTMENT:

Journalism and Mass Communications

GCM152 - Introduction to Digital Imaging
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to production skills used in internet, video, and print communications. Students may not be enrolled in GCM 152 and JMC 270 simultaneously.

DEPARTMENT:

Journalism and Mass Communications

GCM153 - Electronic Imaging
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course deals with the technology of electronic imaging relating to the field of graphic communications. The course covers image generation and electronic printing and publishing. Lecture and Laboratory.

DEPARTMENT:

Journalism and Mass Communications

GCM250 - Fundamentals of Photography and Photojournalism
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Camera techniques and film selection. Experience with various cameras, photographic techniques, developing and printing procedures. Lecture and laboratory.

DEPARTMENT:

Journalism and Mass Communications

GCM252 - Digital Image Conversion
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to converting continuous tone and line illustration to digital and film formats. Covers materials, equipment, camera/scanner operation, problem-solving, pre-flighting and imposition techniques. Lecture and laboratory.

Prerequisites

GCM 151

DEPARTMENT:

Journalism and Mass Communications

GCM340 - Introduction to Gravure
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course covers the magazine and packaging industry as they relate to high volume printing. Included in the course are: pre-flighting, customer service, press production, problem-solving techniques, and distribution systems.

Prerequisites

GCM 151

DEPARTMENT:

Journalism and Mass Communications

GCM342 - Finishing and Distribution
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to post-press and finishing operations and distribution practices common to the packaging and printing industries. Course covers historical as well as modern aspects of finishing, embossing, foil stamping, die-cutting, and material fulfillment.

Prerequisites

GCM 151

DEPARTMENT:

Journalism and Mass Communications

GCM350 - Basic Color Photography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of color photographic materials and processes including color transparencies, negative analysis, internegatives, transparency duplicates, and color prints. Lecture and laboratory.

Prerequisites

GCM 250

DEPARTMENT:

Journalism and Mass Communications

GCM351 - Graphic Communication Processes
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of printing and manufacturing reproduction processes. Includes: 1) traditional and modern image transfer, 2) finishing, 3) distribution, and 4) materials.

Prerequisites

GCM 151

DEPARTMENT:

Journalism and Mass Communications

GCM354 - Principles of Estimating
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Analysis of printing cost procedures using regional costing data and norms. Also, determining cost of materials, equipment and human activity will be determined.

Prerequisites

Nine hours in graphic communications, including GCM 153

DEPARTMENT:

Journalism and Mass Communications

GCM357 - Industrial Photography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of photography as it is utilized by industry in problem-solving, security, and scientific and technical applications. Lecture and laboratory.

Prerequisites

GCM 250

DEPARTMENT:

Journalism and Mass Communications

GCM358 - Commercial Photography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the making of photographs in the studio and on location; investigation of the photographic medium as a means of communicating ideas. Lecture and laboratory.

Prerequisites

GCM 250

DEPARTMENT:

Journalism and Mass Communications

GCM359 - Publication Photography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the make-up of yearbooks and various other publications requiring photography, and the problems of the photographer in preparing materials for printing. Lecture and laboratory.

Prerequisites

GCM 250

DEPARTMENT:

Journalism and Mass Communications

GCM360 - Portraiture Photography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Formal and contemporary portraiture. Includes studio and informal techniques, printing and finishing instruction.

Prerequisites

GCM 250

DEPARTMENT:

Journalism and Mass Communications

GCM365 - Customer Experience in Graphic Arts
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course explores all aspects of customer service including, scheduling, human resources, manufacturing, finance, computer systems, and quality control.

Prerequisites

GCM 151

DEPARTMENT:

Journalism and Mass Communications

GCM427 - Professional Photographic Practices
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course introduces students to the business and marketing practices common to photography. Emphasis is placed on developing professional objectives based upon careful consideration of the financial, legal, organizational, promotional, interpersonal and ethical practices particular to photography.

DEPARTMENT:

Journalism and Mass Communications

GCM440 - Digital Photography
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course deals with desktop electronic imaging and digital photography. Explored is the use of photography and production photographs with a variety of computer hardware and software programs. Lecture and laboratory.

DEPARTMENT:

Journalism and Mass Communications

GCM441 - Desktop Multimedia
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Desktop digital imaging and multimedia presentations are developed with a variety of hard and software. The course is designed to allow the student to cross-platform images from diverse electronic technologies. Graduate students will be required to research a problem in addition to photography assignments. Lecture and laboratory.

Prerequisites

GCM 153

DEPARTMENT:

Journalism and Mass Communications

GCM442 - Digital Interactive Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course introduces and explores digital interactive technology as an aspect of electronic imaging. It examines the use of digital technology in the production of interactive presentations; it includes a variety of currently used computer hardware and software. Lecture and laboratory.

Prerequisites

GCM 153

DEPARTMENT:

Journalism and Mass Communications

GCM454 - Color Management and Quality Control
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Materials and procedures of color management and quality control procedures. Included are ICC profiles, spectrophotometry, densitometry, masking, color proofing, quality control devices, and color scanning. Lecture and laboratory.

Prerequisites

GCM 151 and 153

DEPARTMENT:

Journalism and Mass Communications

GCM488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Journalism and Mass Communications

GCM489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

DEPARTMENT:

Journalism and Mass Communications

GCM558 - Trends in Graphic Communications
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of management trends, technical advances, and problems as they pertain to the future of the communications industry. The course will include report writing, verbal presentations and a field experience.

Prerequisites

Senior standing and 30 hours of GCM courses

DEPARTMENT:

Journalism and Mass Communications

GDS: Gender and Diversity Studies

GDS201 - Introduction to Gender and Diversity Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will provide students with an interdisciplinary examination of the issues concerned with multiculturalism, economic and social class, and gender. Students will gain a broad historical perspective of how these factors have had an impact on the formation of America as a country and as a nation in the international context.

DEPARTMENT:

English and Philosophy

GDS316 - Women and Gender in World History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS316 - Women and Gender in World History

Description

An introduction to the histories of women and gender in diverse societies. Topics include the origins of patriarchal institutions; women's cultures; feminist philosophies and movements; the role of family, work, society, and culture in creation gender and sexual distinctions; and theories and methods in the study of women and gender. (Same as HIS 316.)

DEPARTMENT:

English and Philosophy

GDS351 - Topics in Gender and Diversity
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Changing topics in the study of gender and diversity, to be determined by the instructor. May be repeated for a maximum of six credit hours.

Prerequisites

GDS 201

DEPARTMENT:

English and Philosophy

GDS356 - The Art of Non-Western Cultures
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ANT356 - The Art of Non-Western Cultures
RGS356 - The Art of Non-Western Cultures

Description

Study of the arts of Asia, Oceania, Africa and the Pre-Western Americas. (Same as ANT, RGS 356.)

DEPARTMENT:

English and Philosophy

GDS412 - Directed Study in Gender and Diversity Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An independent study course in an area of multicultural, class and/or gender studies. Students must submit a study plan, along with the name of the faculty member with whom they have arranged to work, to the GDS committee for approval prior to registration. May be repeated for a maximum of six credit hours.

Prerequisites

GDS 201

DEPARTMENT:

English and Philosophy

GDS600 - Gender Theory and Research
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Foundation course for graduate work in gender studies. Advanced survey of theories of gender and sexuality. Introduction to qualitative and quantitative research methods in gender studies. Field work may be required.

DEPARTMENT:

English and Philosophy

GDS670 - Lesbian, Gay, Bisexual and Transgender Studies
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Survey of issues, theories, and interdisciplinary approaches in lesbian, gay, bisexual, and transgender studies.

DEPARTMENT:

English and Philosophy

GDS680 - Gender, Sexuality, and the Law
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course considers gender and sexuality in law and society, the role of law in subordinating women and sexual minorities, the use of law to address gender and sexual inequities, and the application of the gender studies methods to legal issues. The focus is on the broader relationship between law and society; no prior technical legal knowledge is required or assumed.

Prerequisites

GDS 600

DEPARTMENT:

English and Philosophy

GDS690 - Seminar in Gender Studies
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A seminar focusing on a topic, theme, or body of work in gender studies. May be repeated for a maximum of six credit hours if topics vary.

Prerequisites

GDS 600

DEPARTMENT:

English and Philosophy

GDS699 - Scholary Writing in Gender Studies
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Capstone course consisting of advanced, original, independent research into a particular issue in gender studies resulting in potentially publishable essay.

Prerequisites

GDS 600 and nine additional hours of coursework toward the Certificate in Gender Studies

DEPARTMENT:

English and Philosophy

GER: German

GER101 - Fundamental Communication in German
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Basic German in which students learn to describe themselves to someone from another culture; to express preferences, abilities, needs, and obligations; to ask for information; to describe people, places, and things in their world; and to report their typical activities to a German speaker.

DEPARTMENT:

Global Languages and Theatre Arts

GER102 - Social Interactions in German
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Expanding upon skills built in GER 101, students move toward increasing linguistic and social awareness of German-speaking cultures. Students learn to use past tenses to talk about typical activities or to tell a story; to expand their basic vocabulary and ability to communicate in simple German; and to demonstrate basic understanding of aspects of German culture that may differ from their own.

Prerequisites

GER 101 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

GER105 - Introduction to German Culture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the contemporary culture of Germany, Austria and Switzerland with emphasis on the values, behavioral characteristics, social and political systems and achievements of the German-speaking people. Conducted in English.

DEPARTMENT:

Global Languages and Theatre Arts

GER110 - Basic Conversational German
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A conversation-oriented introduction to pronunciation, essential structures, and vocabulary. Designed to enable students to communicate in simple German in everyday situations in German-speaking countries. Pronunciation, listening comprehension, speaking and simple reading and writing of material related to conversational situations are included. No continuation offered. Not applicable toward German major or minor. Only taught abroad.

DEPARTMENT:

Global Languages and Theatre Arts

GER201 - Intercultural Communications in German
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students strengthen their basic language skills while continuing to broaden cultural awareness of German-speaking societies. Students relate experiences, produce brief reports on course topics, and express opinions concerning a variety of themes. Students learn to communicate on a more complex level in German. Taught in German.

Prerequisites

GER 102 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

GER202 - Practical Applications in German
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students advance their speaking, writing, reading, and listening language skills in this interactive course focused on the practical application of the language in contemporary German-speaking countries. Activities include role-play, projects, reports, and discussions of texts. Taught in German.

Prerequisites

GER 201 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

GER203 - German for the Working World
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation from German 201, this course is a practical application of German for the working world together with grammar review and with emphasis on communication skills on the formal level. Includes further practice in listening, conversation, reading and writing. Students may be required to attend and write a report on two approved cultural events or complete alternative cultural assignments. Taught in German. Students may receive credit for German 202 or 203, but not both. German 203 counts toward the minor and the major.

Prerequisites

German 201 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

GER210 - Intermediate Conversational German
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to develop the vocabulary and oral communication skills of the student with a background of one year of college German or equivalent. Emphasis will be placed on bringing the student into contact with German native speakers and various aspects of their culture. May count as an elective for the major or minor. Only taught abroad.

Prerequisites

GER 102 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

GER301 - Social Issues in German Texts
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Intensive practice in speaking and writing based on a variety of topics and materials.

Prerequisites

GER 202 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

GER302 - Conversation and Composition
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of social issues through the reading, discussion, and written analysis of authentic texts in German-speaking cultures. While examining these issues, the student will also learn and practice the rudiments of literary interpretation.

Prerequisites

GER 301

DEPARTMENT:

Global Languages and Theatre Arts

GER306 - Introduction to German Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to literary analysis, designed to develop skills in reading, oral expression and expository writing. A variety of genres will be presented.

Prerequisites

GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER310 - Conversation and Composition Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Intensive practice in speaking and writing based on the student's interaction with native speakers and the international setting. Only taught abroad. Counts toward the major and minor approved electives.

Prerequisites

Two years of college German or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

GER314 - German Cultural Heritage Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course taught in German and taught abroad, focuses on culture in German-Speaking countries. The course entails carefully planned excursions to a number of specific cultural sites in conjunction with readings about the sites and the intellectual history and milieu behind their conception. The student will explore the history, art, architecture, literature, politics, and music of the host country. This will only be taught on study-abroad programs in German-speaking countries.

DEPARTMENT:

Global Languages and Theatre Arts

GER323 - German Culture and Civilization
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the contribution of German-speaking people to world culture in art, music, science, education, philosophy and religion. Classes conducted in German.

Prerequisites

GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER324 - Contemporary German Culture and Civilization
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the present-day culture of the German-speaking countries, including Austria, the Federal Republic of Germany, and Switzerland. Course includes the study of German dialects, geography, social and political systems and religious orientation. Classes conducted in German.

Prerequisites

GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER330 - German Literary Texts in Context
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Will be taught in study abroad programs in German-speaking countries. It is an introductory course in German literature taught in German. Authentic texts might include poetry, short story, drama or excerpts from long works and might be from any literary period. An effort will be made to take advantage of residence in German-speaking countries through visits to sites that are related to the literature.

Prerequisites

GER 202 or 203

DEPARTMENT:

Global Languages and Theatre Arts

GER331 - Advanced Language Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will offer students the opportunity to expand their cultural and linguistic knowledge of German-speaking cultures through a central conceptual framework, such as an international conference, an apartment building, a hotel, or a business. Students will engage in extensive role-play and creative exercises to establish contexts, choose fictive identities, and improvise a series of encounters.

Prerequisites

GER 202

DEPARTMENT:

Global Languages and Theatre Arts

GER332 - Phonetics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Contrastive study of German and English phonology with individual practice designed to improve pronunciation.

Prerequisites

GER 202

DEPARTMENT:

Global Languages and Theatre Arts

GER401 - Survey of German Literature I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Historical interpretation of representative literary works from the Medieval periods to the Enlightenment.

Prerequisites

GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER402 - Survey of German Literature II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Historical interpretation of representative literary works from Classicism to the present.

Prerequisites

GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER419 - European Cinema
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of European (including British) film by French, English, German, and Spanish directors in the original languages with English subtitles except for the English language films. Selected films will be organized around social themes, which will then be viewed from different national perspectives. The common discussion section on one day will be conducted in English to be accessible to students of all languages; the second discussion section will be conducted in German. Students are required to attend film viewings in a separate lab section.

Prerequisites

GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER421 - Topics in German Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course content will vary according to the needs of the German program. May be repeated to a maximum of nine credit hours.

Prerequisites

GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER441 - Topics in German Cultural Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course content will include a variety of factors that contribute to and reflect the cultural life, social themes, and national perspectives of German society. The course content will include literature and may include media and/or film. Students will write a research paper. May be repeated for a maximum of six credit hours.

Prerequisites

GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER450 - Literary Masterpieces in German
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A general survey of the literary periods, major authors, and initial acquaintance with their work. May be repeated for a maximum of six credit hours.

Prerequisites

GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER451 - Directed Study
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Independent work in the area of language, culture or literature, designed to meet the needs and interests of individual students.

DEPARTMENT:

Global Languages and Theatre Arts

GER460 - Studies in a Genre
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course will explore a particular genre, e.g., the novel, novella, drama, poetry, short story, and the theory behind the respective genre and an examination of a variety of works within that genre. May be repeated as a second course for up to six credit hours provided that the second course covers a different genre.

Prerequisites

GEr 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER501 - Literature Before 1600
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of major works chosen to present prominent themes and important literary developments within the period.

Prerequisites

Junior standing or above, GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER503 - Seventeenth- and Eighteenth-Century Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of major works chosen to present prominent themes and important literary developments within the period. Representative authors such as Goethe, Schiller, Novalis and Kleist will be treated.

Prerequisites

Junior standing or above, GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER505 - Nineteenth-Century German Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of literary developments during the era of the industrial revolution and political reform in Germany. Works by Buchner, Heine and representative authors of Poetic Realism and Naturalism will be treated with secondary emphasis placed on the emergence of the Biedermeier tradition.

Prerequisites

Junior standing or above, GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER507 - Twentieth-Century Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the literature and the policies affecting literature during the Weimar Republic, the Third Reich, Post-War Literature and the Gruppe 47, and contemporary developments.

Prerequisites

Junior standing or above, GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER521 - Topics in German Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth course treating a topic in German literature. Selected according to the needs and interests of the students.

Prerequisites

Junior standing or above, GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER531 - Advanced Grammar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A specialized study contrasting German and English grammatical structures and usage.

Prerequisites

Junior standing or above, GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER532 - Phonetics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Contrastive study of German and English phonology with individual practice designed to improve pronunciation.

Prerequisites

Junior standing or above, GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER551 - Directed Study I
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Independent work in areas of language, culture or literature, designed to meet needs and interests of individual students.

Prerequisites

Junior standing or above, GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER552 - Directed Study II
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

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Prerequisites

Junior standing or above, GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER555 - Study Abroad
CREDITS:

3 - 9

COURSE LEVEL:

Undergraduate

Description

Credit given for approved projects of study in a German-speaking country. Repeatable up to nine hours.

Prerequisites

Junior standing or above, GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER621 - Topics in German Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth course treating a topic in German literature. Selected according to the needs and interests of the students. May be repeated for up to six hours of credit.

Prerequisites

GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER651 - Directed Study I
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Independent work in areas of language, culture or literature, designed to meet needs and interests of individual students. May be repeated for up to six hours of credit.

Prerequisites

GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER652 - Directed Study II
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

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Prerequisites

GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GER655 - Study Abroad
CREDITS:

3 - 9

COURSE LEVEL:

Graduate

Description

Credit given for approved projects of study in a German-speaking country. Repeatable up to nine hours.

Prerequisites

GER 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

GLT: Global Language and Theatre Arts

GLT100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Global Languages and Theatre Arts

GLT101 - Elementary Modern Language I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A thorough study of the basic structure and sounds of a particular language which is not regularly offered at Murray State University. Equal emphasis will be placed on the four skills of speaking, writing, listening and reading. The languages taught under this title will vary.

DEPARTMENT:

Global Languages and Theatre Arts

GLT102 - Elementary Modern Language II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of GLT 101.

Prerequisites

GLT 101 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

GLT105 - Introduction to Contemporary Culture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the contemporary culture of a selected country or geographic region with emphasis on values, behavioral characteristics, social and political systems and achievements of that culture. Conducted in English.

DEPARTMENT:

Global Languages and Theatre Arts

GLT110 - Basic Conversational Language
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A conversation-oriented introduction to the sound system and basic structural patterns of modern language. Pronunciation, listening comprehension, speaking, reading and writing of material related to conversational situation are included. Not applicable toward a major or minor in foreign language. Only taught abroad.

DEPARTMENT:

Global Languages and Theatre Arts

GLT201 - Intermediate Modern Language I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of GLT 102.

Prerequisites

GLT 102

DEPARTMENT:

Global Languages and Theatre Arts

GLT202 - Intermediate Modern Language II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of GLT 201.

Prerequisites

GLT 201

DEPARTMENT:

Global Languages and Theatre Arts

GLT210 - Intermediate Modern Language Conversation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course to develop the vocabulary and oral communication skills of the student with a background of one year's study of the same foreign language in college or its equivalent.

Prerequisites

101 and 102 of the same language

DEPARTMENT:

Global Languages and Theatre Arts

GLT220 - Introduction to International Service and Culture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will prepare for international service by integrating coursework with real life experiences. Students will examine international service and culture based on a chosen community's needs, environment, language, and history.

DEPARTMENT:

Global Languages and Theatre Arts

GLT314 - Cultural Heritage Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course taught in English and taught abroad, focuses on culture in a particular country or region. The course entails carefully planned excursions to a number of specific cultural sites in conjunction with readings about the sites and the intellectual history and milieu behind their conception. The student will explore the history, art, architecture, literature, politics, and music of the host country. This will only be taught abroad. May be repeated for up to six hours credit if the courses are taken in two different cultures.

DEPARTMENT:

Global Languages and Theatre Arts

GLT392 - Professional Engagement
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A practical course for global language majors. Each student will work 25 hours on an approved project utilizing skills related to language studies. Graded pass/fail. May be repeated once with a different project.

Prerequisites

Junior standing or above, 301 or 331, (in any of the languages offered by the Department of Global Languages and Theatre Arts) and permission by the chair

DEPARTMENT:

Global Languages and Theatre Arts

GLT400 - Senior Seminar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

In this course, students complete a comprehensive departmental portfolio, present for evaluation the senior research project, and explore professional matters relating to the language major including career opportunities. Students will also evaluate their academic and extracurricular experiences in the Department of Global Languages and Theatre Arts, as well as at MSU.

Prerequisites

Global language major with completion of one of the following FRE 301, 302, 331; GER 301, 331; JPN 301; or SPA 301, 302; junior or senior standing; pass the 300-level Proficiency Exam, one 400-level course or higher with a research element in-residence

DEPARTMENT:

Global Languages and Theatre Arts

GLT401 - Principles of Translation and Interpretation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of the basic concepts, scope, principles and methodology of written translation, and simultaneous and consecutive interpretation.

Prerequisites

Global language major with completion of one of the following sequences: JPN 301, 302, 331; or SPA 301, 302, 331

DEPARTMENT:

Global Languages and Theatre Arts

GLT487 - Peace Corps Prep Field Experience
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

Course is designed to indicate that Peace Corps Prep students have completed a minimum of 50 hours of approved field experiences. Graded pass/fail.

DEPARTMENT:

Global Languages and Theatre Arts

GLT514 - Methods of Teaching Foreign Languages

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Teacher candidates will apply content knowledge, educational philosophies, learning theories, differentiated instruction, classroom management strategies, effective assessment practices, instructional technology, co-teaching strategies, student advocacy, and content-area literacy. Emphasis will be placed on roles of students, educators, parents, school and the community as educational partners. Candidates will design and implement culturally relevant, developmentally-appropriate instruction for all students in Foreign Languages content settings.

Prerequisites

HUM 380 or equivalent course with a minimum grade of B and admission to Teacher Education

Corequisites

SEC 420

DEPARTMENT:

Global Languages and Theatre Arts

GLT551 - Directed Study

CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Independent work in areas of language, culture or literature designed to meet the needs and interests of individual students. May be repeated up to a maximum of six credit hours.

Prerequisites

Two years in college of the same foreign language or the equivalent and junior standing or above

DEPARTMENT:

Global Languages and Theatre Arts

GLT614 - Methods of Teaching Foreign Languages
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Designed to prepare students for the teaching of foreign languages in the public school. Current teaching philosophies, techniques and materials, curriculum innovation and extracurricular activities discussed. Limited observation and performance in a language classroom.

Prerequisites

EDU 303

DEPARTMENT:

Global Languages and Theatre Arts

GLT651 - Directed Study in Modern Language
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Independent work in areas of language, culture or literature designed to meet the needs and interests of individual students.

Prerequisites

Two years in college of the same foreign language or the equivalent

DEPARTMENT:

Global Languages and Theatre Arts

GTE: Gifted and Talented Education

GTE655 - Creativity in Teaching
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A comprehensive course designed to help participants: (1) explore and enhance their own creative powers; (2) learn how to teach creative problem-solving techniques and creative habits of mind to others; and (3) become aware of the variety of theoretical frameworks, research results and measurements which are available in the area of creativity.

DEPARTMENT:

Educational Studies, Leadership and Counseling

GTE691 - Nature and Needs of the Gifted Student
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course to provide opportunities for experienced teachers and teacher trainees to develop knowledge and awareness of the characteristics and needs of gifted children and youth, and provides the individual student with opportunities to apply general educational principles for the gifted and talented to total educational concerns.

DEPARTMENT:

Educational Studies, Leadership and Counseling

GTE692 - Methods and Materials for Teaching Gifted Students
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will focus upon the development of instructional strategies and curriculum materials for use with youngsters with high ability and/or potential.

Prerequisites

GTE 691

DEPARTMENT:

Educational Studies, Leadership and Counseling

GTE693 - Educational Programs for Gifted Students
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course designed to give experience and develop skills in effective planning, organization and execution of educational programs for gifted students.

Prerequisites

GTE 691 and 692

DEPARTMENT:

Educational Studies, Leadership and Counseling

GTE694 - Supervised Practicum in Gifted Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course designed to provide field experience so the teacher may apply principles and educational procedures for teaching gifted students. This course requires a portfolio score of 82 or above. Repeatable to six hours.

Prerequisites

GTE 691 and 692; and either GTE 655, 693, or 695.

DEPARTMENT:

Educational Studies, Leadership and Counseling

GTE695 - Multicultural Gifted Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed for teachers and counselors to learn practical strategies bridging the fields of gifted education and multicultural education. Theory and practice will be considered to enable educators to help gifted students reach their full potential in multicultural settings.

Prerequisites

GTE 691 and 692

DEPARTMENT:

Educational Studies, Leadership and Counseling

GTE696 - The Social-Emotional Development of Gifted Students
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course focuses on the social-emotional development of gifted students. Topics include, but not limited to, various social-emotional characteristics, potential problems and challenges, a verity of special needs, and support and guidance from school and family. It is expected that this course will help students expand their knowledge and understanding of social-emotional issues that gifted students may experience and help them initiate and develop classroom, school, district, family, and community support systems.

DEPARTMENT:

Educational Studies, Leadership and Counseling

GTY: Gerontology

GTY207 - Inclusive Recreation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

-

Description

A survey of the characteristics and recreational needs of the various types of exceptional children and adults. (Same as REC 207.)

DEPARTMENT:

Community Leadership and Human Services

GTY264 - Psychology of Aging
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

PSY264 - Psychology of Aging

Description

The study of the biological, cognitive, affective and social aspects of the aging process. The normal and pathological conditions of aging are emphasized. The interaction of the aged and society is also considered. (Same as PSY 264.)

Prerequisites

PSY 180

DEPARTMENT:

Community Leadership and Human Services

GTY265 - Psychology of Death
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

PSY265 - Psychology of Death

Description

A study of the place of death in the process of human development. Two viewpoints will be stressed: death of self and death of others. Emphasis will be given to the cultural, social, biological and affective aspects related to the final stage of life. Customs, medical practices, financial concerns, legal matters and scientific issues will be considered. Students enrolled for graduate credit will be required to fulfill additional requirements. (Same as PSY 265.)

Prerequisites

PSY 180

DEPARTMENT:

Community Leadership and Human Services

GTY303 - Community Leisure Organizations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

-

Description

Study of administrative and leadership procedures related to leisure organizations in the community. (Same as REC 303.)

DEPARTMENT:

Community Leadership and Human Services

GTY305 - Services to Older Americans
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

SWK305 - Services to Older Americans

Description

An examination and study of the social problems experienced by older Americans and the modes of social intervention employed by society through the aging network to assist the aging and aged. (Same as SWK 305.)

Prerequisites

Junior standing

DEPARTMENT:

Community Leadership and Human Services

GTY330 - Death and Dying: Issues for Caregivers
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HEA330 - Death and Dying: Issues for Caregivers

Description

Course addresses concepts of cultural, social, and biological aspects for caregivers as they interact with persons in the final stages of life. Methods of assessment, attitudinal change, and skill development that enhance successful communication with families and patients will be included. Field trips will be required. (Same as HEA 330.)

DEPARTMENT:

Community Leadership and Human Services

GTY340 - Medical Sociology

CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

SOC340 - Medical Sociology

Description

An examination of sociological perspectives on health and illness. Particular emphasis will be placed upon health disparities, the social demography of illness, access to and delivery of health care, structure and organization of health care institutions, and societal responses to problems of illness and disease. (Same as SOC 340.)

DEPARTMENT:

Community Leadership and Human Services

GTY341 - Social Gerontology

CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

Description

An introduction to the sociocultural dimensions of the problems of the process of aging and its impact on individuals and society.

Prerequisites

SOC 133

DEPARTMENT:

Community Leadership and Human Services

GTY342 - Sociology of Retirement
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

-

Description

Examination of retirement as a process, an event, and a role. Aspects of retirement as a social institution are reviewed with emphasis upon the implications for the social system. (Same as SOC 342.)

Prerequisites

GTY/SOC 341

DEPARTMENT:

Community Leadership and Human Services

GTY400 - Independent Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will allow different instructors in the gerontology minor to teach special topics not covered by classes regularly offered. Independent projects will cover a variety of issues, topics and class assignments.

DEPARTMENT:

Community Leadership and Human Services

GTY521 - Issues in Social Gerontology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of theory and research on aging, policies and programs related to nutrition, retirement, health and housing of elderly. (Same as SOC 521.)

Prerequisites

SOC/GTY 341

DEPARTMENT:

Community Leadership and Human Services

GTY596 - The Minority Elderly
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ANT596 - The Minority Elderly

Description

This course focuses on the minority elderly including racial, ethnic and lower income groups. Applicable concepts and theories in social gerontology will also be covered. (Same as ANT 596.)

Prerequisites

Nine hours of anthropology, gerontology or sociology

DEPARTMENT:

Community Leadership and Human Services

GUI: Guidance

GUI097 - Self-Realization and Career Investigation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course developed especially for Student Support Services students as a prerequisite to GUI 100. The course is designed to enhance students' abilities to examine and identify their values. Decision-making skills which are essential to value clarification, occupation, and course work choices are confirmed through role playing and class discussion. Computer software will be used for the purpose of career investigation. Credit earned in this course may not be counted toward graduation requirements.

DEPARTMENT:

Educational Studies, Leadership and Counseling

GUI100 - Self-Development and Career Exploration
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A study of decision-making as it relates to the student's life experiences. In-class activities teach the concepts of decision-making, time management, career planning, assertiveness and communication skills. Credit for general elective.

DEPARTMENT:

Educational Studies, Leadership and Counseling

GUI119 - Solutions for Future Success
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A course designed specifically for participants in Student Support Services to assist students in acclimating to college life. The development of specific success skills with an emphasis on self-assessment, wellness, campus resources and involvement, as well as utilization of on-line resources.

DEPARTMENT:

Educational Studies, Leadership and Counseling

GUI120 - Strategies for Academic Succes
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A course designed to assist students in the academic study strategies associated with college life. The development of specific success skills such as attitude, concentration, motivation, self-discipline, self-testing, selecting main ideas, using support materials, time management and test taking strategies will be included in this class.

Prerequisites

must be a Student Support Services participant

DEPARTMENT:

Educational Studies, Leadership and Counseling

GUI121 - Advanced Strategies for Academic Success
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A course designed specifically for participants in Student Support Services to assist students development advanced strategies for academic success.

DEPARTMENT:

Educational Studies, Leadership and Counseling

GUI122 - Attitude, Motivation, and Personal Development
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A course developed especially for Student Support Services participants. The course is designed to enhance students' abilities to examine and identify attitude, beliefs, and values as they pertain to motivation and personal development.

DEPARTMENT:

Educational Studies, Leadership and Counseling

GUI188 - Cooperative Education and Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned and evaluated work experience related to career exploration and educational objectives of the student for which he/she may receive both academic credit and financial remuneration. GUI co-op courses may be repeated to a maximum of four credits and cannot count as an elective toward a major, minor or area. Graded pass/fail. Approval of co-op coordinator.

Prerequisites

Freshman/sophomore status and approval of co-op coordinator

DEPARTMENT:

Educational Studies, Leadership and Counseling

GUI251 - Seminar in Leadership Development and Experimental Activities I
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

This course is designed to introduce the dynamics and concepts of leadership and its application. The concepts to be applied will be taught in the class and followed through in university activities. Prerequisite: consent of instructor. May be repeated once for credit. Graded pass/fail. Note: A maximum of six hours of credit may be earned or scheduled from any combination of GUI 251, 252, and 450.

DEPARTMENT:

Educational Studies, Leadership and Counseling

GUI252 - Seminar in Leadership Development and Experimental Activities II
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Continuation of GUI 251. May be repeated once for credit. Note: A maximum of six hours of credit may be earned or scheduled from any combination of GUI 251, 252, and 450.

DEPARTMENT:

Educational Studies, Leadership and Counseling

GUI288 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned and evaluated work experience related to career exploration and educational objectives of the student for which he/she may receive both academic credit and financial remuneration. GUI co-op courses may be repeated to a maximum of four credits and cannot count as an elective toward a major, minor or area. Graded pass/fail.

DEPARTMENT:

Educational Studies, Leadership and Counseling

GUI321 - Career Preparation and Professional Development
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course developed especially for participants in Student Support Services to assist them in examining values, strengths, and weaknesses, as they pertain to choosing a career. Emphasis will be place on career investigation, job-seeking strategies, and developing a professional image.

DEPARTMENT:

Educational Studies, Leadership and Counseling

GUI450 - Seminar in Personnel Services
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This seminar will serve as an observation, discussion, participation and evaluation laboratory for individuals who are working in the areas of personnel services. May be repeated once for credit. A maximum of six hours of credit may be earned or scheduled from any combination of GUI 251, 252, and 450.

DEPARTMENT:

Educational Studies, Leadership and Counseling

HCA: Health Care Administration

HCA301 - Overview of the Health Care Delivery System
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIA301 - Overview of Healthcare Delivery System

Description

This course is designed to provide the student with a basic understanding of the American health care system by focusing on the people, places and processes of health care delivery. The course surveys important trends in health care delivery and utilization and develops a model of the care seeking process. The major health care resources (personnel, facilities and programs, and the government) and processes (financing, planning and quality assurance) are discussed in detail. (Same as HIA 301.)

DEPARTMENT:

Center for Adult and Regional Education (CARE)

HCA395 - Cultural Diversity for Health Care Organizations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides an overview of how to define and assess an organization's culture. The course will focus on cultural diversity and how this impacts health care organizations. Emphasis is placed upon developing cultural goals and an overall cultural diversity strategy. The course will focus on some successful healthcare cultures and how each of these cultures provides unique benchmarks.

DEPARTMENT:

Center for Adult and Regional Education (CARE)

HCA405 - Hospital and Health Services Administration
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Prepares administrators and practitioners to manage health care organizations by introducing concepts and skills essential to effective health care administration.

DEPARTMENT:

Center for Adult and Regional Education (CARE)

HCA410 - Health Care Planning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to provide health care administrators and practitioners an understanding of the critical issues and techniques used in successful planning efforts, including a comparison of public sector program planning and private sector strategic planning.

DEPARTMENT:

Center for Adult and Regional Education (CARE)

HCA415 - Financial Aspects of Health Service Organizations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to provide health care administrators and practitioners a basic understanding of health care financial management principles and their application to the practical aspects of managerial decision-making in health care facilities.

DEPARTMENT:

Center for Adult and Regional Education (CARE)

HCA450 - Human Resource Management in Healthcare
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Concepts in human services management as applied to health services organizations are presented. Topics include the relationship between human resources management and general management, the nature of work and human resources, compensation and benefits, personnel planning, recruitment and selection, training and development, and employee appraisal and discipline. Labor relations topics focus on the history of the labor movement; legal regulations related to labor; union structure and formation; the analysis of union contracts; the collective bargaining process; grievance and arbitration; and the problems of managing with and without a contract. Prerequisite: HCA 405 or consent of instructor.

Prerequisites

HCA 405

DEPARTMENT:

Center for Adult and Regional Education (CARE)

HCA480 - Special Problems in Healthcare Administration
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

This course is variable credit hours from 1 credit hour to 3 credit hours. This course provides an opportunity for students to engage in research at the undergraduate level. Research projects will be individually arranged with faculty members who agree to direct the research. This course may be repeated up to six credit hours.

DEPARTMENT:

Center for Adult and Regional Education (CARE)

HDL: Human Development and Leadership

HDL592 - Group Processes
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the history and characteristics of group processes and structure as well as issues in leadership style and development of a model in small group interaction. May not be used toward school counseling certification.

DEPARTMENT:

Educational Studies, Leadership and Counseling

HDL625 - Legal and Ethical Issues
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will present the legal ramifications of work place compliance laws. Plus the ethical aspects of being in a leadership role in today's complex society. An in-depth examination of current contemporary issues in this area will highlight the course.

DEPARTMENT:

Educational Studies, Leadership and Counseling

HDL631 - Educational Data Management Techniques
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of educational data management techniques using the R programming environment for statistical computing and graphics.

DEPARTMENT:

Educational Studies, Leadership and Counseling

HDL632 - Advanced Statistical Analyses of Educational Data
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of advances statistical techniques (such as regression, power analysis, and bootstrapping) to analyze educational data using the R programming environment for statistical computing and graphics.

Prerequisites

HDL 631

DEPARTMENT:

Educational Studies, Leadership and Counseling

HDL633 - Educational Data Mining
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of educational data mining techniques using the R programming environment for statistical computing and graphics.

Prerequisites

HDL 631

DEPARTMENT:

Educational Studies, Leadership and Counseling

HDL634 - Observational and Interview Data Assessment
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of techniques for the collection and assessment of observation and interview data in educational and clinical settings.

DEPARTMENT:

Educational Studies, Leadership and Counseling

HDL655 - Social Intelligence: Interpersonal Processes
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is an option in the core for Human Development and Leadership. It helps students examine and explore the critical area of Social Intelligence, particularly interpersonal processes and effective social competencies.

DEPARTMENT:

Educational Studies, Leadership and Counseling

HDL660 - Developing Human Potential Seminar
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course designed to familiarize students with those factors which prevent individuals from reaching their full personal, social and professional potential. Emphasis will be on developing student ability to recognize these factors and the skills for positively effecting individual potential.

DEPARTMENT:

Educational Studies, Leadership and Counseling

HDL670 - Multicultural and Diversity Issues in Leadership
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The purpose of this course is to focus on the role that cultural environment and diversity plays in the lives of people and the implications of those roles for leaders. There will be an overview of the different micro-cultures to which individuals belong, customs and traditions, diversity issues, with application to self and the role of leader. It is expected that the student will expand his/her multicultural and diversity perspectives and gain greater knowledge of the understanding and practice of intercultural leadership.

DEPARTMENT:

Educational Studies, Leadership and Counseling

HDL675 - Assessment of Human Potential
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course focuses on the understanding and utilization of assessment related to personal and professional growth and development.

DEPARTMENT:

Educational Studies, Leadership and Counseling

HDL681 - Leading and Developing Others
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course offers an in-depth examination of the complexities of leading others in a dynamic and ever-changing workplace. The applied nature of the course allows students to develop skills related to coaching and mentoring, as well as relational competencies associated with giving appropriate feedback, building leadership capacity in others and creating a workplace culture conducive for growth and development.

DEPARTMENT:

Educational Studies, Leadership and Counseling

HDL682 - Leading Organizations: Processes of Critical Thinking & Problem Solving
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course presents approaches for leaders to facilitate change and transformation in organizations and communities. Processes for strategic planning, critical thinking, problem solving and decision-making are examined.

DEPARTMENT:

Educational Studies, Leadership and Counseling

HDL683 - Assessment and Application of Leadership Research
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This Capstone course offering provides students with an opportunity to explore advanced organizational research methodologies and information-gathering processes that are essential for leaders in the workplace. The course is designed to provide techniques and skills that students can utilize to advance their research project from ADM 630.

Prerequisites

ADM 630

DEPARTMENT:

Educational Studies, Leadership and Counseling

HDL684 - Contemporary Issues in Leadership Development Seminar
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The purpose of course is to investigate current trends and issues impacting leadership development. Special topics explored in course include contemporary practices in leadership effectiveness and efficiency, trends in leadership self-care and wellness initiatives and life-work integration. Additionally, topics include an overview of how to plan, design, and facilitate effective professional development and learning experiences for a multi-generational and global workforce.

DEPARTMENT:

Educational Studies, Leadership and Counseling

HDL692 - Individual, Group and Team Dynamics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the history and characteristics of group and team dynamics and structure focusing on development of a model for individual and small group and team development. Strategies will include theory and the effective utilization of individual, group, and teams for interventions, development, and facilitation of growth needs for diverse populations. May not be used toward school counseling certification.

DEPARTMENT:

Educational Studies, Leadership and Counseling

HEA: Health

HEA100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Applied Health Sciences

HEA101 - Strategies for Success in College and Life
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to help high school students investigate some effective ways to approach college and life's challenges. It will teach the students practical strategies, hints, and tips that can lead to success. Topics include preparation, organization, work ethics, self-evaluation, and rethinking options. While enrolled in the class, students will be required to make one visit to a college/university of their choice.

DEPARTMENT:

Applied Health Sciences

HEA190 - Personal Health Issues
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course designed to educate students about wellness through the acquisition of knowledge, attitudes, and behaviors. The major health-related problems in society are addressed, as well as an understanding of individual developmental patterns and health needs. Broad ranges of factors affecting wellness, including identification of risks and health promotion behaviors, are covered. Topics include, but are not limited to, substance use and abuse, nutrition, sexually transmitted diseases, health risk factors, mental and emotional health, and exercise.

DEPARTMENT:

Applied Health Sciences

HEA191 - Personal Health
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to educate students about wellness through the acquisition of knowledge, attitudes and behaviors. The major health-related problems in society are addressed, as well as an understanding of individual developmental patterns and health needs. Personal fitness is assessed and activities that promote lifelong fitness are practiced. A broad range of factors affecting wellness, including identification of risk and health promotion behaviors, are covered. Topics include, but are not limited to, substance use and abuse, nutrition, sexually transmitted diseases, health risk factors, mental and emotional health, exercise.

DEPARTMENT:

Applied Health Sciences

HEA195 - First Aid and Safety
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

The purpose of this course is to give the student knowledge of the practice of first aid including the performance of cardiopulmonary resuscitation. Emergency Cardiac Care and First Aid certifications may be earned.

DEPARTMENT:

Applied Health Sciences

HEA201 - Introduction to Public and Community Health
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to address aspects of public and community health, survey career opportunities for health professionals, and explore the public, community, and health care delivery systems. Legal, ethical, and philosophical foundations of public and community health will be explored. Topics include health though the lifespan, promoting public and community health, environmental health, and health resources and services.

DEPARTMENT:

Applied Health Sciences

HEA260 - Ethics of Healthcare Decision Making
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will provide an introduction to basic ethical theory and various approaches to clinical ethical decision-making. This course will cover topics such as truth-telling, informed consent, disability and bioethics, conscientious objection, right-to-die, and responsible conduct of research. Clinical problems related to the practice of health professions will be examined contextually, with attention to institutional, cultural, discursive, and moral issues that undergird controversies in clinical ethics. The course aims to consider the defense of general views on the moral values involved in bioethics, as well as the complicated issues of applying this general knowledge to particular situations.

DEPARTMENT:

Applied Health Sciences

HEA300 - International Experience in Wellness
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study abroad experience highlighting selected historical and modern contributions to health and wellness in a particular country and culture.

Prerequisites

Permission of instructor

DEPARTMENT:

Applied Health Sciences

HEA301 - Chronic and Communicable Diseases
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Provides an overview of chronic and communicable diseases. Students will examine the processes used in modern society to assist in the identification, prevention, and control of disease. Emphasis will be placed on information and concepts required as foundation knowledge for community health professionals.

Prerequisites

BIO 101, HEA 191, and overall GPA of 2.0

DEPARTMENT:

Applied Health Sciences

HEA302 - Consumer Health
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to address the principles of consumer concepts, marketing, economic protections and source of information in selecting health products and services. Analysis of major consumer health issues and the social and psychological factors that influence consumer choices.

Prerequisites

HEA 191, 201, and overall GPA of 2.0

DEPARTMENT:

Applied Health Sciences

HEA303 - Health Behavior
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of the major theories of health behavior and strategies used to implement health interventions. Students will examine the social, cultural, and environmental influences on behavior and the links between behavior and health. Emphasis will be placed on strategies for putting theory into practice via basic health counseling.

Prerequisites

HEA 191, PSY 180, and overall GPA of 2.0.

DEPARTMENT:

Applied Health Sciences

HEA304 - Mental Health: A Public Health Perspective
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is an introductory study of a broad range of common health behavior pathologies with emphasis on how these maladaptive behaviors interfere with one's health and how these behaviors can be an asset or hindrance to health behavior change. This will include the evolution of the biopsychosocial model(multidimensional integrative model), assessment and classification of psychological disorders, different theoretical perspectives on psychological disorders, research methods utilized in the study of psychological disorders, etiology of various psychological disorders, current approaches to treatment of these psychological disorders, treatment options under the United States health care system, mental health programming, culturalcompetency, and the public health side of mental health.

Prerequisites

HEA 303

DEPARTMENT:

Applied Health Sciences

HEA305 - Rural Public Health
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to analyze the social, economic, and cultural influences in rural areas contributing to health disparities. Rural-specific public health interventions will be examined as ways to address the unique barriers rural populations face. Populations and topics covered in this course include migrant farmworkers, rural minorities (e.g., race, ethnicity, sexual orientation), rural health care ethics, substance use and abuse in rural America, environmental and occupational health in rural areas, and access to different types of health care services, such as medical care and mental health.

Prerequisites

HEA 201 and overall GPA of 2.0

DEPARTMENT:

Applied Health Sciences

HEA310 - Biostatistics in Public Health
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will cover principles of biostatistics in the context of public health application. It will include the basic and advanced statistical techniques for analyzing and investigating public health issues including disparities. A statistical package, like SPSS, will be used.

Prerequisites

HEA 201 and MAT 140

DEPARTMENT:

Applied Health Sciences

HEA311 - Epidemiology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will introduce and outline the science of epidemiology as it relates and contributes to the fields of public health, medicine, and the social sciences. Additionally, this course will focus on the epidemiology methods used to investigate health outcomes in different situations and populations through identifying causative and associative factors of disease and exposure.

Prerequisites

HEA 201 and 310, PSY 300 or STA 135, MAT 140, and overall GPA of 2.0

DEPARTMENT:

Applied Health Sciences

HEA330 - Death and Dying: Issues for Caregivers
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

GTY330 - Death and Dying: Issues for Caregivers

Description

This course addresses concepts of cultural, social, and biological aspects for caregivers as they interact with persons in the final stages of life. Methods of assessment, attitudinal change, and skill development that enhance successful communication with families and patients will be included. Field trips will be required.

Prerequisites

HEA 191 or 350

DEPARTMENT:

Applied Health Sciences

HEA338 - Oral Health: A Public Health Perspective I

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course exposes students to the community-based role of the dental hygienist and the skills required to plan, implement, and assess an oral health promotion program focusing on access to care issues for underserved populations varied in age and setting. This course will prepare the student to complete one cycle of the health promotion program process applying theories, skills, and strategies discussed in class to provide a health promotion event within the local community.

Prerequisites

HEA 303

DEPARTMENT:

Applied Health Sciences

HEA350 - Foundation of Community Health Education

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Examines the concepts that form the foundation of standards-based comprehensive community health education and promotion. Reviews the National Health Education Standards, Unified Code of Ethics for Health Professionals, and the areas of responsibility for entry-level health educators as identified by the National Commission for Health Education Credentialing (NCHEC). Students will gain experience in designing health instruction for a variety of populations. Assessment plans, including rubrics, will be introduced as a mode for determining the success of health promotion programs. This course is part of the Service Learning Scholars program.

Prerequisites

HEA 201 and overall GPA of 2.0

DEPARTMENT:

Applied Health Sciences

HEA356 - Health Promotion Programming
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EXS356 - Health Promotion Programming

Description

Provides practical application of the skills required to plan, implement, and assess a health promotion program for populations varied in age and setting. Students will complete one cycle of the process, applying theories, skills, and strategies discussed in class to provide a health promotion event within the local community. This course is part of the Service Learning Scholars program. (Same as EXS 356.)

Prerequisites

HEA 303

DEPARTMENT:

Applied Health Sciences

HEA360 - Health Education Services
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to prepare the health education student with the skills necessary to coordinate and provide resources for health education programming and presentation. The purpose is to assist the student in assessing the available health-related services at the local, state and national levels, determining the resources and materials available for use in health education programs, and enhancing coordination and collaboration among personnel in health services and health education programs.

Prerequisites

HEA 191, 302, and 350

DEPARTMENT:

Applied Health Sciences

HEA386 - Health and Disability
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will address the evolving view of disability in the field of public and community health. Students will be introduced to a broad range of topics to increase their understanding of the contemporary experience of disability in America, such as the medical, psychosocial, vocational, political, and cultural aspects of disability. This course will examine how the intersection of education, employment, and/or environment impacts the health and wellbeing of people with disabilities and acquaint students with an array of service modalities used to address health and adjustment of people with disabilities.

Prerequisites

HEA 201

DEPARTMENT:

Applied Health Sciences

HEA412 - Environmental Health: A Public Health Perspective
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course examines factors in the environment that impact human health. This course is designed to explore ways in which humankind may control the environment in order to minimize deleterious effects on health and quality of life. Topics such as how certain environmental health conditions could be an asset or barrier to health, health behavior change, and community participation; environmental health advocacy, justice, and programming; the public health side of environmental health; and environmental epidemiology will be discussed.

Prerequisites

HEA 201

DEPARTMENT:

Applied Health Sciences

HEA415 - Communication Techniques for Health Care Providers
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course explores various effective communication techniques for health professionals.

DEPARTMENT:

Applied Health Sciences

HEA438 - Oral Health: A Public Health Perspective II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course exposes students to the community-based role of the dental hygienist and provides practical application of the skills required to plan, implement, and assess an oral health promotion program focusing on access to care issues for underserved populations varied in age and setting. This course will prepare the student to complete one cycle of the health promotion program process applying theories, skills, and strategies discussed in class to provide an oral health promotion even within the local community.

Prerequisites

HEA 338

DEPARTMENT:

Applied Health Sciences

HEA448 - Health Policy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides a systematic and critical review of health policy development, implementation, and evaluation. This course provides a comprehensive analysis of health policies and their impact on health care. This will include the policy process of healthcare in the United States, the impact of these policies at all levels of government, and the role of providers, industry, labor, and consumer in health policy.

Prerequisites

HEA 201, HEA 302, and HCA/HIA 30

DEPARTMENT:

Applied Health Sciences

HEA458 - Lifestyles and Weight Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to expose students to the combination of physical, social, environmental and lifestyle factors associated with overweight, obesity, and the relationship among these factors in the development of obesity and related diseases. The content will address diet, physical activity, and other causes of overweight, obesity and obesity-related diseases as well as how metabolism and body movement are affected. The course will also give students insight into the strategies available to individuals to manage and address obesity.

Prerequisites

NTN 230, PSY 180, and either EXS 101 or HEA 191 or SOC 133

DEPARTMENT:

Applied Health Sciences

HEA460 - Human Sexuality
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to acquaint students with issues of human sexuality. Topics include gender, sexual anatomy and physiology, love, sexual arousal and response, sexual behaviors and relationships, conception, pregnancy, contraception, sexually transmitted diseases including HIV/AIDS, and sexual victimization. The purpose is to examine human sexuality from biological, psychological, behavioral, clinical and cultural perspectives. Students taking this course for graduate credit will be required to do additional work.

Prerequisites

HEA 303, 350, and overall GPA of 2.5

DEPARTMENT:

Applied Health Sciences

HEA470 - Education for Drug Abuse Prevention
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course seeks to develop the student's concept of drug education through in-depth exploration, research and discussion of problems related to alcohol, tobacco and other drugs. Special emphasis on the effects of abuse for the individual and on the effects of abuse for the individual and society. Students taking this course for graduate credit will be required to do additional work.

Prerequisites

HEA 303, 350, and overall GPA of 2.5

DEPARTMENT:

Applied Health Sciences

HEA475 - Assessment and Evaluation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course presents concepts, procedures, and methods for the identification of population-based needs for public and community health interventions, development of programs to meet those needs, and evaluation of the effectiveness of these interventions. The course integrates several knowledge and skill areas including research methods, epidemiology, biostatistics, proposal writing, budget planning, project management, and program evaluation.

Prerequisites

HEA 356

DEPARTMENT:

Applied Health Sciences

HEA480 - Special Problems
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Course provides an opportunity for students to engage in research at the undergraduate level. Research projects will be individually arranged with faculty members who agree to direct the research. This course may be repeated for a maximum of six credit hours.

DEPARTMENT:

Applied Health Sciences

HEA490 - Senior Seminar in Public and Community Health
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This seminar course is for public and community health students with a primary focus on preparation of seniors for a variety of employment environments and professional development. Recommended for students enrolled in their next to last undergraduate semester. This course will help prepare students to participate in HEA 499.

Prerequisites

Senior standing

DEPARTMENT:

Applied Health Sciences

HEA499 - Professional Experience in Public and Community Health
CREDITS:

3 - 6

COURSE LEVEL:

Undergraduate

Description

A course designed for the public and community health major to serve with a community health organization or agency under the direction of faculty and field supervisors. This course is designed to be taken when the majority of other coursework has been completed and just prior to graduation. A minimum of 320 service hours are required. Repeatable to a maximum of six credit hours.

Prerequisites

HEA 490, senior standing, permission of instructor, and overall GPA of 2.50

DEPARTMENT:

Applied Health Sciences

HEA520 - Leisure and Aging
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to the physiological, sexual and recreational aspects of aging in American society; exploration of the role of recreation with the aging; emphasis on planning leisure programs with the elderly.

Prerequisites

Senior standing, permission of instructor, and overall GPA of 2.5

DEPARTMENT:

Applied Health Sciences

HEA575 - Human Sexuality II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is an advanced study of issues of sexuality including sexual exploitation, sexual victimization, sexual abuse, sexual harassment, altered body image and sexual function, family structures, the law and sexuality issues, and new research in sexual health.

Prerequisites

HEA 460, senior standing, permission of instructor, and overall GPA of 2.5

DEPARTMENT:

Applied Health Sciences

HEA600 - International Experience in Wellness
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is designed to provide students with a faculty-led study abroad program that focuses on multicultural aspects of physical activity, health, wellness, and health-related services.

DEPARTMENT:

Applied Health Sciences

HEA603 - Health Behavior
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study of the major theories of health behavior and strategies used to implement health interventions. Students will examine the social, cultural, and environmental influences on behavior and the links between behavior and health. Emphasis will be placed on strategies for putting theory into practice via health counseling.

DEPARTMENT:

Applied Health Sciences

HEA605 - Rural Public Health
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to analyze the social, economic, and cultural influences in rural areas contributing to health disparities. Rural-specific public health interventions will be examined as ways to address the unique barriers rural populations face. Populations and topics covered in this course include migrant farmworkers, rural minorities (e.g., race, ethnicity, sexual orientation), rural health care ethics, substance use and abuse in rural America, environmental and occupational health in rural areas, and access to different types of health care services, such as medical care and mental health.

DEPARTMENT:

Applied Health Sciences

HEA610 - Biostatistics in Public Health
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will cover principles of biostatistics in the context of public health applications. It will include the basic and advanced statistical techniques for analyzing and investigating public health issues including disparities. A statistical package, like SPSS, will be used.

DEPARTMENT:

Applied Health Sciences

HEA611 - Epidemiology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will introduce and outline the science of epidemiology as it relates and contributes to the fields of public health, medicine, and the social sciences. Additionally, this course will focus on the epidemiology methods used to investigate health outcomes in different situations and populations through identifying causative and associative fators of disease and exposure.

Prerequisites

HIA 610

DEPARTMENT:

Applied Health Sciences

HEA612 - Environmental Health: A Public Health Perspective
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course examines factors in the environment that impact human health. This course is designed to explore ways in which humankind may control the environment in order to minimize deleterious effects on health and quality of life. Topics such as how certain environmental health conditions could be an asset or barrier to health, health behavior change, community participation; environmental health advocacy, justice, and programming; the public health side of environmental health; and environmental epidemiology will be discussed.

Prerequisites

HEA 611 and HEA 648

DEPARTMENT:

Applied Health Sciences

HEA648 - Health Policy
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

Description

Course provides a systematic and critical review of health policy development, implementation, and evaluation. This course provides a comprehensive analysis of health policies and their impact on health care. This will include the policy process of healthcare in the United States, the impact of these policies at all levels of government, and the role of providers, industry, labor, and consumer in health policy.

DEPARTMENT:

Applied Health Sciences

HEA675 - Health Assessment and Evaluation
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course presents concepts, procedures, and methods for the identification of population-based needs for public and community health interventions, development of programs to meet those needs, and evaluation of the effectiveness of these interventions. The course will integrate several knowledge and skill areas including research methods, epidemiology, biostatistics, proposal writing, budget planning, project management, and program evaluation period.

Prerequisites

HEA 611

DEPARTMENT:

Applied Health Sciences

HIA: Healthcare Information Administration

HIA301 - Overview of Healthcare Delivery System
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HCA301 - Overview of the Health Care Delivery System

Description

Course provides an overview of historical and contemporary topics associated with health care systems and their components. The course examines the complex components of the nation's health care system and their interactions including, organizational structure, financing, the impact of technology, utilization determinants and the involvement of federal agencies as well as private sectors. (Same as HCA 301.)

DEPARTMENT:

Applied Health Sciences

HIA302 - Legal Aspects of Health Information Administration
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course examines the legal dimensions of administration of quality health care. The course will explore legal issues that impact health care institutions, patients, and health care employees as well as current trends associated with changes in the law, technology, and populations.

Prerequisites

BIO 220, CIS 317, and CNM 351

DEPARTMENT:

Applied Health Sciences

HIA303 - Healthcare Coding and Classification
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides the student an introduction to the skills of medical coding and classification of disease, injuries, encounters, and procedures using standard applications of medical coding guidelines to support reimbursement of health care services.

Prerequisites

BIO 220

DEPARTMENT:

Applied Health Sciences

HIA305 - Health Administration and Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Prepares administrators and practitioners to manage health care organizations by introducing concepts and skills essential to effective health care administration.

Prerequisites

HIA 301

DEPARTMENT:

Applied Health Sciences

HIA310 - Healthcare Planning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to provide health care administrators and practitioners an understanding of the critical issues and techniques used in successful planning efforts, including a comparison of public sector program planning and private sector strategic planning.

Prerequisites

HIA 305

DEPARTMENT:

Applied Health Sciences

HIA401 - Healthcare Quality Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will explore the essential principles and techniques of quality improvement applied to patient care and the management of services in health care organizations will be emphasized.

Prerequisites

HEA 310, PSY 300 or STA 135, HIA 301, and overall GPA of 2.5

DEPARTMENT:

Applied Health Sciences

HIA402 - Medical Coding and Reimbursement Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides the student with knowledge and skills needed to work in the health information field. Emphasis will be on a comprehensive overview of insurance, billing, medical coding, electronic records, and reimbursement systems. Students will learn about claim submissions, Health Insurance Portability and Accountability Act of 1996 (HIPPA) regulations, review of medical records, verification of patient benefits, secondary claims, posting payments, and appealing insurance decisions.

Prerequisites

BIO 220 and HIA 303

DEPARTMENT:

Applied Health Sciences

HIA410 - Healthcare Data Structures and Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides the student with the knowledge of standards and best practices needed to perform effective project management, information technology management, and change management for implementing digital medical records. The core management processes that take place within each knowledge area are reviewed. These areas include the initiating, planning, executing, controlling, and closing stages of a healthcare technology project.

Prerequisites

HIA 401 and overall GPA of 2.5

DEPARTMENT:

Applied Health Sciences

HIA415 - Financial Aspects of Health Service Organizations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to provide health care administrators and practitioners a basic understanding of health care financial management principles and their application to the practical aspects of managerial decision-making in health care facilities.

Prerequisites

HIA 305

DEPARTMENT:

Applied Health Sciences

HIA480 - Special Problems in Health Information Administration
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Course provides an opportunity for students to engage in research at the undergraduate level. Research projects will be individually arranged with faculty members who agree to direct the research. This course may be repeated for a maximum of six credit hours.

DEPARTMENT:

Applied Health Sciences

HIA601 - Overview of the Healthcare Delivery System
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides an overview of historical and contemporary topics associated with health care systems and their components. The course examines the complex components of the nation's health care system and their interactions including organizational structure, financing, the impact of technology, utilization determinants and the involvement of federal agencies as well as private sectors.

DEPARTMENT:

Applied Health Sciences

HIA605 - Health Administration and Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Prepares administrators and practitioners to manage health care organizations by introducing concepts and skills essential to effective health care administration.

Prerequisites

HIA 601

DEPARTMENT:

Applied Health Sciences

HIA610 - Healthcare Planning
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course designed to provide health care administrators and practitioners an understanding of the critical issues and techniques used in successful planning efforts, including a comparison of public sector program planning and private sector strategic planning.

Prerequisites

HIA 605

DEPARTMENT:

Applied Health Sciences

HIA615 - Financial Aspects of Health Service Organizations
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course designed to provide health care administrators and practitioners a basic understanding of health care financial management principles and their application to the practical aspects of managerial decision-making in health care facilities.

Prerequisites

HIA 605

DEPARTMENT:

Applied Health Sciences

HIA701 - Healthcare Quality Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will explore the essential principles and techniques of quality improvement applied to patient care and the management of services in health care organizations will be emphasized.

Prerequisites

HIA 601

DEPARTMENT:

Applied Health Sciences

HIS: History

HIS100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Introductory seminar for all first semester history majors. Graded pass/fail.

DEPARTMENT:

History

HIS105 - History of Fashion
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This introductory seminar examines major trends in fashion, with an emphasis on fashion as a historically and culturally constructed system that both reflected and shaped political, economic, social, and cultural systems.

DEPARTMENT:

History

HIS106 - Revolutions and World History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory seminar on the history of revolutions. The course explores the concept of revolution and various contexts in which revolutions have taken place, and it examines examples such as the American, French, Haitian, Russian, Chinese, Mexican, and Iranian revolutions. This course helps students grapple with the difficult moral and ethical issues raised by revolutionary upheaval and its consequences for different groups in society.

DEPARTMENT:

History

HIS108 - The Holocaust
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory seminar focusing on the history of the Holocaust. This course explores the various genocidal projects implemented by Nazi Germany from 1933 to 1945. It also deals with issues of memory and with the legacies of the Holocaust for world history and seeks to engage students in the difficult moral and ethical questions raised by the Holocaust.

DEPARTMENT:

History

HIS110 - Special Topics in History for Study Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed for students enrolled in a study abroad program, History 110 is an academic course involving both traditional classroom learning and experiential learning opportunities in an international setting. This course will cover a particular historical topic, period, personality or problem. Specific subject matter will vary according to student and faculty interest and in relation to study abroad locations and opportunities. Does not count toward history major or minor.

DEPARTMENT:

History

HIS120 - Exploring the World's Great Cities: Heritage and Modern Life
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This introductory seminar examines major themes of tradition, modernity, and globalization in the history of cities. It also explores tourist attractions and day-to-day life in these urban centers.

DEPARTMENT:

History

HIS130 - Sports and Society in Modern America
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will offer a survey of development of sports in American society since 1945. It will focus on the major spectator sports and emphasize international, professional, collegiate, and youth sports around the themes of race, gender, economics, and culture.

DEPARTMENT:

History

HIS176 - History of the United States Constitution
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will analyze the historical development of the US Constitution from its inception in the late seventeenth century to the present day.

DEPARTMENT:

History

HIS200 - Making of Europe to 1500
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of major political, economic, social, and intellectual developments in European history from pre-history to 1500. Course materials stress the persons, forces, and values that have shaped European society.

DEPARTMENT:

History

HIS201 - Making of Europe, 1500 to the Present
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A examination of major political, economic, social, and intellectual developments in European history, 1500 to the present. Course materials stress the persons, forces, and values that have shaped European society.

DEPARTMENT:

History

HIS202 - Understanding Global History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of major themes and methods of exploring global history. The course focuses on approaches to understanding the world and is designed to provide background for upper-level courses as well as to acquaint students with the forces and ideas that have shaped global history.

DEPARTMENT:

History

HIS221 - American Experience to 1865
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A thematic approach to the history of the U.S. to 1865, designed as a University Studies social science elective. Three basic themes will be included: the transplantation of European and African cultures to America and their interaction with the cultures of native American Indians; the emergence of distinctive American values and institutions and the establishment of the American nation; and the stresses that culminated in the Civil War.

DEPARTMENT:

History

HIS222 - American Experience Since 1865
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A thematic approach to the history of the U.S. since 1865, designed as a University Studies social science elective. Students will examine three themes: the forces that transformed America from a predominantly rural, agricultural society to a predominantly urban, industrial one; the rising political consciousness of various American groups and the expanding regulatory role of the federal government; and the emergence of America as a world power.

DEPARTMENT:

History

HIS300 - Introduction to Historical Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to the methods by which historians study the past and present their conclusions to the public. Students will be expected to write a research paper in which the emphasis will be placed on developing research skills, organizing the results in a coherent form, and developing an effective writing style. Required for history majors as a prerequisite for 400-level courses and recommended for anyone interested in developing research and writing skills.

Prerequisites

ENG 101 and 102, or ENG 105 and two of the following or transfer equivalents: HIS 201, 221, or 222

DEPARTMENT:

History

HIS301 - Ancient History to the Fall of Rome
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the Near East, Greece and Rome with particular emphasis on the influences of these civilizations on modern Western civilization. Particular attention will be paid to the development of democratic and republican forms of government.

DEPARTMENT:

History

HIS302 - Medieval Europe
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS302 - Medieval Europe

Description

A survey of the major events in Western history from the Fall of Rome to the Renaissance, with special emphasis on those political, economic, social and cultural-intellectual forces and institutions that helped form the modern world outlook. (Same as RGS 302.)

DEPARTMENT:

History

HIS304 - The History of Ireland
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A systematic investigation of the history of Ireland from first human habitation, with an emphasis on the period since 1500. The course will look at the development of, and interactions among, the various cultural/religious traditions of Ireland and the long struggle of the Irish people to attain self-government.

DEPARTMENT:

History

HIS305 - Irish Diaspora
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A systematic study of the dispersal of Irish people around the world, focusing on their interaction with the various host cultures they have encountered both as settlers and in other roles. Particular attention will be given to the Irish on the European continent and in Britain, the United States, Canada, Australia, South Africa, and South America, especially Argentina.

DEPARTMENT:

History

HIS306 - Europe in Renaissance and Reformation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS306 - Europe in Renaissance and Reformation

Description

A survey of the development of Western Europe, emphasizing the Protestant and Catholic Reformations, the Crisis of the seventeenth century, the Scientific Revolution, the English Revolutions of the seventeenth century, and France under Louis XIII and XIV. (Same as RGS 306.)

DEPARTMENT:

History

HIS307 - Imperial Russia
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of Russia's history beginning with the establishment of an empire in the sixteenth century, to the reigns of Peter the Great and Catherine the Great, and the revolutions of 1917. Six themes will be stressed: the state's exercise of power, dissent and rebellion, social/gender relationships, intellectual thought, cultural production, and daily life.

DEPARTMENT:

History

HIS308 - Modern Russia
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course focuses on revolutionary and Soviet eras (1905-1991), as well as the years since the collapse of the USSR. Political, social, and cultural history are stressed.

DEPARTMENT:

History

HIS309 - Survey of World Religions
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS309 - Survey of World Religions

Description

A study of the historical development of Christianity, Islam, Buddhism, and other world religions, with special attention to their similarities and differences. (Same as RGS 309.)

DEPARTMENT:

History

HIS310 - History at the Movies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course, which treats films as cultural products and historical documents, explores the ways in which films represent the historical past, examines changes in popular understandings of the past, and considers debates over cinematic versions of history. Topics will vary depending on instructor.

DEPARTMENT:

History

HIS311 - Modern France
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the social, cultural, and political history of France from 1789 to the present with an emphasis on transformations within French society and the relationship of French history to broader European and global history.

DEPARTMENT:

History

HIS312 - Modern Germany
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the political, social-economic, and cultural history of Germany from the late eighteenth century to the present, with particular attention to how the history of Germany was connected to and affected broader European and global history.

DEPARTMENT:

History

HIS313 - Tudor and Stuart England
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the molding of the English monarchy and of the eclipse of its authority by the social and political groups which came to dominate Parliament by the seventeenth century.

DEPARTMENT:

History

HIS315 - Women in American History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will examine the position and contributions of women in American society from the colonial period to the present from the perspective of the major trends in American history. It will focus on significant women in each period, while emphasizing several particular themes.

DEPARTMENT:

History

HIS316 - Women and Gender in World History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

GDS316 - Women and Gender in World History

Description

Introduction to the histories of women and gender in diverse societies. Topics include the origins of patriarchal institutions; women's cultures; feminist philosophies and movements; the role of family, work, society, and culture in creation gender and sexual distinctions; and theories and methods in the study of women and gender. (Same as GDS 316.)

DEPARTMENT:

History

HIS317 - Modern Greece and Italy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of major themes and methods of exploring modern Greek and Italian history. This course focuses on the tremendous changes that occurred in these societies during the modern period and it examines the commonalities and connections between recent Greek and Italian history.

DEPARTMENT:

History

HIS319 - Europe Since 1945
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An advanced survey of the history, politics, and culture of post-WWII Europe. Particular attention will be given to the Cold War, the rise of the European welfare state, the formation of the European Union, and the challenges faced by an increasingly cosmopolitan Europe in the twenty-first century.

DEPARTMENT:

History

HIS320 - African-American History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course will focus on a particular topic, era, or issue in African-American history, depending on the instructor. May be repeated for a maximum of nine credit hours, with permission.

DEPARTMENT:

History

HIS321 - United States Social and Cultural History Since 1865
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The development of American society and thought since the end of the Civil War. Emphasis is placed upon the forces that have shaped the daily lives of the American people: racial and ethnic diversity, industrialization and urbanization, immigration, mass media, religious traditions, and modern transportation.

DEPARTMENT:

History

HIS322 - History of Religion in the United States
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS322 - History of Religion in the United States

Description

The historical development of organized religion in America, with special attention to the relationships between religion and other features of American society. (Same as RGS 322.)

DEPARTMENT:

History

HIS323 - The Great American West
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the westward movement from the Mississippi River to the Pacific Ocean, beginning with the Lewis and Clark expedition in 1804 and ending with the closing of the frontier in 1890. Emphasis is placed on the political and economic development of the Trans-Mississippi region; attention will also be devoted to biography, social, institutions, and folkways.

DEPARTMENT:

History

HIS324 - Science in the Modern World
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the development of science in the Western world from Newton to the present.

DEPARTMENT:

History

HIS325 - Disease in History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course investigates the impact of disease on human society from ancient times to the 20th century. We explore how societies of the past have responded to both epidemic and endemic diseases, including plague, cholera, leprosy, influenza, syphilis, smallpox, and HIV. We also examine the history of germ theory, the development of biological weapons, and future threats to human health.

DEPARTMENT:

History

HIS329 - The North American Indians
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A history of the Indians of North America from the earliest times until the late nineteenth century. This course focuses on the cultures, customs and traditions of the various Indian civilizations of the United States.

DEPARTMENT:

History

HIS330 - Sports in America
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will offer a survey of the institutional development of American sports from the colonial period to the present. It will focus on the major spectator sports and emphasize the role of professional sports as an institution of social mobility, the development of race relations, the bureaucratization and professionalization of sports as an entertainment industry, and the struggle of athletes for collective bargaining rights.

DEPARTMENT:

History

HIS332 - Colonial America to 1763
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An explanation of the transplantation of European and African culture to the United States, the adaptation of these cultures to the New World environment, their impact upon eastern Indian cultures and the rise of distinctly American institutions and ideas. The course will emphasize the evolution of English colonial policies and the comparison of New England, Middle Atlantic and Southern colonial experiences.

DEPARTMENT:

History

HIS333 - Military History of the United States
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

MIL333 - Military History of the United States

Description

A consideration of American military history from colonial militias through the role of the military in Vietnam. Topics covered include the causes of war, methods of recruitment, military policies, and the effect of the industrial revolution and technology on war. (Same as MIL 333.)

DEPARTMENT:

History

HIS334 - Food and Agriculture in the United States
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of the historical development of food and agriculture in the United States, from the colonial period to the present. Emphasis will be on agricultural production, labor conditions, technological changes, and environmental transformations, alongside developments in regional and national cuisines.

DEPARTMENT:

History

HIS335 - America in Revolution
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Spanning the revolutionary and early national periods of American history, this course focuses upon the United States' transformation from colonies to a nation. It emphasizes the American struggle for independence, economic as well as political, and the clash of values, interests and ambitions that produced the American system of government.

DEPARTMENT:

History

HIS340 - Modern East Asia
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to provide undergraduates with an introduction to the history of the major countries of the Far East. The development of modern China and Japan will be examined, with special attention given to their varying responses to both western intrusion and internal social problems, from the seventeenth century to the present.

DEPARTMENT:

History

HIS341 - Civil War and Reconstruction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Covers the period from the beginning of the Civil War to the presidential election of 1877. If the course has a distinguishing emphasis, it is on political history, but the course gives due attention to military, economic and social history.

DEPARTMENT:

History

HIS346 - History of Kentucky
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The process of political, economic and social evolution in Kentucky is traced from early settlement to the modern era. Geographical influences upon the patterns of Kentucky development, Kentucky's changing role within an expanding union, and the Commonwealth's participation in national movements and events are stressed.

DEPARTMENT:

History

HIS350 - History of Latin America
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of Latin American history from pre-colonial times to the present. Special attention will be given to the early Indian Civilizations, Spanish colonization, the struggles for independence and the problems of Latin American nations in the modern world.

DEPARTMENT:

History

HIS351 - Global History of Childhood
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is an examination of the historical experience of children and the evolution of the idea of childhood over time that will focus on how conceptions of childhood shaped that experience and led to current understandings of childhood. Topics include family life, child labor, education, material conditions, and health with an emphasis on the ways in which ideas about childhood and the experience of children are shaped by gender, race, class, and geographic location.

DEPARTMENT:

History

HIS352 - 20th Century World
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A history of the 20th 'Century world from the age of High Imperialism to the end of the Cold War, the subsequent globalization (economic, political technological, environmental) and conflicts emerging from resistance to that process.

DEPARTMENT:

History

HIS354 - Ancient Near East
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS354 - Ancient Near East

Description

A survey of Near Eastern history from prehistoric times to the end of the Persian Empire. Included are the emergence and development of civilizations in Mesopotamia, Asia Minor, Syria, and the Levant; the origins and influence of Near Eastern religions including polytheistic cults, Judaism, and Zoroastrianism; and the development of societies from city-states to large territorial empires. Special attention will be given to the art, literature, philosophy, and material culture of the civilizations within the region. (Same as RGS 354.)

DEPARTMENT:

History

HIS355 - A Global History of Islam to 1800

CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS355 - A Global History of Islam to 1800

Description

Course explores the emergence and expansion of Islam from the seventh to the eighteenth century. Topics will include the rise of Islam within its Middle Eastern context, the development of the caliphate, the question of succession, Middle Eastern experience of the Crusades, and the diverse expressions of Islam as it expanded throughout Asia, Africa, Europe, and the Americas. Islam will be studied as a global religion, examining the major movements and trends within Islamic theology, sciences, philosophy, art, and architecture. (Same as RGS 355.)

DEPARTMENT:

History

HIS356 - Modern Middle East

CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

POL356 - Modern Middle East

Description

History of the Middle East from 1700 to present, emphasizing political, social, and economic development of the region. Topics include the decentralization of empires, European imperialism, nationalism, constitutionalism, secularism, and state building. (Same as POL 356.)

DEPARTMENT:

History

HIS359 - Early India
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course examines the formation of India's traditions, cultures, and identities from c. 2500 B.C.E. to c. 1500 C.E. and analyzes the various approaches and perspectives that have contributed to our knowledge of this ancient past. An interdisciplinary approach is emphasized to better appreciate the rich diversity in art, literature, religions, and languages that accompanies the political, economical, and social changes of this period in India's distinctive regions and locales.

Prerequisites

CIV 201 or 202

DEPARTMENT:

History

HIS360 - Modern India
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course surveys the historical development of the peoples, nations and cultures of the Indian subcontinent since the seventeenth century. The course begins with the Mughal period, then examines British colonial rule, independence movements and Partition, and concludes with an analysis of the problems of post colonial nation-state building. The major themes and topics considered include representations of tradition and modernity in identity, culture and community, tensions between political and economic centralization and regionalism, and continuity and change in the organization of state, society and economy in imperial, colonial and postcolonial India.

Prerequisites

CIV 201 or CIV 202

DEPARTMENT:

History

HIS361 - Teaching History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Teacher candidates will apply content knowledge, educational philosophies, learning theories, differentiated instruction, classroom management strategies, effective assessment practices, instructional technology, co-teaching strategies, student advocacy, and content-area literacy in 8-12 social studies/history classes. Emphasis will be placed on roles of teachers, students, parents, school, and community as educational partners. Candidates will design and implement culturally relevant, developmentally-appropriate instruction for all students in social studies/history content settings. Clinical experiences required.

Prerequisites

EDU 380 or equivalent with a grade of B or higher and admission to Teacher Education.

DEPARTMENT:

History

HIS362 - Ancient Egypt
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS362 - Ancient Egypt

Description

A survey of Egyptian history from prehistoric times to the Late Period. Included are developments during the pre- and proto-dynastic periods, the formation and general history of the Old, Middle, and New Kingdoms, and the collapse of Egyptian society leading to the Persian conquest. Topics covered will include Egyptian religious beliefs, organization, daily life, and contributions to world culture. (Same as RGS 362.)

DEPARTMENT:

History

HIS363 - Ancient Greece
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS363 - Ancient Greece

Description

A survey of Greek history from prehistoric times to Alexander the Great. Included are developments during the Bronze Age Minoan and Cycladic cultures; Mycenaean civilization; the origin and formation of the Greek city-state; and the history of individual city-states such as Athens and Sparta. Special attention will be given to Greek art, mythology, religion, and literature, as well as the impact of Greek culture on later civilizations. (Same as RGS 363.)

DEPARTMENT:

History

HIS364 - Ancient Rome
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS364 - Ancient Rome

Description

A survey of Roman history from prehistoric times to the Third Century Crisis. Included are the origins of the city of Rome; the Roman monarchy; the origin and formation of the Roman Republic; Republican society and philosophy; the nature and significance of Rome's religious worldview, the transition from Republic to Empire; and the impact of Rome on the territories and peoples it conquered. Special attention will be given to Roman artistic, literary, and philosophical influences, the centrality of Roman religious practices and observances to their culture, as well as the impact of Roman culture on later civilizations. (Same as RGS 364.)

DEPARTMENT:

History

HIS370 - History of Africa
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the main trends in African history from the origins of man through the successes of African nationalism in the mid-twentieth century. Emphasis will be placed on the development of African civilizations, their interaction with Islamic and European civilizations, and the adaptations resulting from those contacts.

DEPARTMENT:

History

HIS375 - Crime and Punishment in Europe and the U.S.
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will introduce students to the history of crime and punishment, with an emphasis on Western Europe and the United States.

DEPARTMENT:

History

HIS380 - Introduction to Public History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the various areas in which historians work outside academe, including museums, historic preservation programs, archives and special collections libraries, and oral history programs, among others.

DEPARTMENT:

History

HIS381 - Environmental History of the Americas
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course examines American environmental history from a global perspective. It emphasizes patterns of environmental practices in Native American, European, and African contexts as a basis for studying the ecological history of the Americas in the modern period, and engages in a comparative analysis of how colonialism an imperial expansion affected ecological practices in the United States and Latin America. Field trip may be required.

DEPARTMENT:

History

HIS382 - Ecological History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This interdisciplinary course emphasizes the historical relationship between humans and the physical environment in world history and explores theoretical questions about the meaning of "nature" and the place of humans in the "natural world." Field trip may be required.

DEPARTMENT:

History

HIS385 - The Atlantic World
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course surveys the history of the "Atlantic World", defined as a zone of interaction between peoples in Europe, Africa, and the Americas. It explores transatlantic connections from 1450 through the nineteenth century and questions whether the cultural, social, ecological, economic, and political links across the ocean during this period integrated a fundamentally Atlantic World. While focused on the Atlantic, this course considers parallel developments in the histories of colonization and empire in the Indian Ocean and Pacific regions.

DEPARTMENT:

History

HIS390 - Special Topics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed as an elective for the general student; it will cover a particular topic, period, personality or problem of the past. Specific subject matter varies from semester to semester, according to student and faculty interest. Open to history majors and minors with approval of the instructor. May be repeated for a maximum of nine credit hours with permission.

DEPARTMENT:

History

HIS400 - Professional Engagement Senior Seminar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An applied learning capstone course for history majors based on research, writing, oral forum presentation and evaluation of a senior research project, in which the student will work at least twenty-five hours on an approved project utilizing skills related to the study of history. Required for all history majors.

Prerequisites

HIS 300 and senior standing

DEPARTMENT:

History

HIS401 - The French Revolution
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A seminar on the origins and development of the French Revolution (1789-1815) that examines the history, politics, and culture of the revolutionary era. The course emphasizes the long-term impact of the French Revolution and differing historical interpretations of this period.

DEPARTMENT:

History

HIS402 - Nineteenth-Century Europe
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A social, political, and cultural history of Europe during the long nineteenth-century (1815-1914) with an emphasis on the changes in European society and identity in this period. Topics include political ideologies, industrialization, imperialism, and changing conceptions of the self and the nation-state.

DEPARTMENT:

History

HIS403 - Europe Since 1914
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Readings on topics in twentieth-century Europe since 1914. Students should have a basic understanding of European history.

Prerequisites

HIS 201 or 202

DEPARTMENT:

History

HIS407 - Modern Imperialism and Colonialism
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced survey of the history, politics, economics, and culture of global empires since the fifteenth century. Particular emphasis will be given to the European colonial empires in the Americas, Asia, and Africa. States such as the Ottoman, Qing, and Japanese empires will also be discussed. The course explores how modern empires were built and maintained, the ways in which colonized people sought to deal with empire, the effects of imperialism on home countries, and the reasons that empires collapsed.

DEPARTMENT:

History

HIS410 - Modern Britain and Empire
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of Britain since the Stuarts, including its age of greatness in the nineteenth century and its decline in the twentieth century. Political and cultural history are emphasized.

DEPARTMENT:

History

HIS413 - Revolutionary Russia
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the Russia revolutionary era, from the late tsarist to the early Soviet era. The course examines the sources, process, and consequences of revolution, stressing political, economic, social, and cultural transformation. Differing historical interpretations of Russia's revolutions will also be considered.

DEPARTMENT:

History

HIS414 - Europe During World War I and World War II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory survey of European history from 1914 to about 1945. It will describe and analyze the events leading to both World Wars as well as some of the consequences of those wars, delineating the major military figures and the military history of the World Wars.

DEPARTMENT:

History

HIS415 - Women in History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the position and contributions of women in history. Topics will vary.

DEPARTMENT:

History

HIS419 - The Third Reich
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An advanced survey of the history, politics, and culture of the Third Reich in Germany (1933-1945). This course will cover the rise, fall, and aftermath of the Nazi regime with a particular emphasis on the Holocaust and the Second World War.

Prerequisites

HIS 300

DEPARTMENT:

History

HIS421 - United States Social and Cultural History to 1865
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The development of American society and thought from the colonial period to the end of the Civil War. Special emphasis is placed upon the forces that have shaped the daily lives of the American people: immigration, religious traditions, the frontier, economic change, ethnic diversity, slavery and war.

DEPARTMENT:

History

HIS424 - United States Foreign Relations Since 1898
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An analysis of the United States' relations with other nations since 1898. Special emphasis is placed on the role of 'ideals and self-interest' in foreign relations.

DEPARTMENT:

History

HIS433 - Jacksonian America and Sectional Conflict
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Covers the period from 1815 to the presidential election of 1860 and the break-up of the union. Emphasis is on the political, social and economic conditions as they related to the sectional controversy that raged during this part of the nineteenth century. Some specific topics include the rise of the common man, the Jacksonian era, slavery and the abolitionist movement.

DEPARTMENT:

History

HIS435 - Transformation of America 1877-1929
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the transformation of the United States from an agricultural to a modern industrial nation. Topics included within this broad theme are the rise of big business and labor unions, urbanization, immigration, the closing of the frontier, reform movements, the struggles of blacks and women for equal rights, national politics and cultural changes.

DEPARTMENT:

History

HIS436 - Recent America
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the Great Depression, the New Deal, World War II, and the subsequent forces that have shaped contemporary American life. Emphasis is placed on the role of the United States in international relations, the civil rights movement, and domestic economic developments.

DEPARTMENT:

History

HIS441 - History of the Old South
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of southern history from colonial times through the Civil War. Emphasis is placed on examining slavery, social life, the emergence of southern nationalism, and the South during the Civil War.

DEPARTMENT:

History

HIS442 - History of the New South
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of southern history from the end of the Civil War to the present. Emphasis is placed on the enduring characteristics of the South as well as the process of change since World War II.

DEPARTMENT:

History

HIS449 - Islam in the Modern and Post-Modern World
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS449 - Islam in the Modern and Post-Modern World

Description

The course will examine major trends and movements within Islam from the eighteenth century until today, including Salafism, Wahhabism, post-colonialism, nationalism, feminism, terrorism, and jihadism. In addition to considering developments in the Middle East and North Africa, this course will explore expressions of Islam around the globe, particularly in South Asia, Africa, Europe, and North America. (Same as RGS 449.)

DEPARTMENT:

History

HIS450 - Modern Africa
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

POL450 - Modern Africa

Description

A study of Africa since about 1880, including the transformation of African societies in contact with other cultures, the growth of nationalism and nationalist movements, and the questions of African unity and neocolonialism. (Same as POL 450.)

DEPARTMENT:

History

HIS451 - Africa, Slavery and the Diaspora
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An advanced survey of the history of slavery in Africa and the African diaspora. This course closely examines the period from 1400 to 1800, as well as slavery in Africa in the nineteenth and twentieth centuries. Particular emphasis will be given to the effects of slavery on the social and political fabric of Africa and the world beyond.

DEPARTMENT:

History

HIS456 - The Arab-Israeli Conflict
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of the historical background to the conflict between the state of Israel and the Arab states. Examines the origins of Zionism and of Arab nationalism in the 19th century, the phases of Jewish settlement in Palestine, the consequences of the First World War for Zionist and Arab nationalist movements, the British Mandate in Palestine, the Israeli war for independence in 1948, Nasserism, the Suez War, the Six-Day War, the invasion of Lebanon, the Intifada, and the possibilities for peace.

DEPARTMENT:

History

HIS459 - Genocide in World History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS459 - Genocide in World History

Description

An advanced survey of the causes, course, and consequences of genocide throughout world history from the ancient world to the present. This course will explore case studies from different areas of the world across time. Special attention will also be given to the issues of memory, recollection, and justice. (Same as RGS 459.)

Prerequisites

HIS 300

DEPARTMENT:

History

HIS461 - Early Christianity
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS461 - Early Christianity

Description

A seminar examining the religious, philosophical, and historical background to the earliest developments of Christianity during its first few generations of existence to the late second century AD. Topics include an analysis of Second Temple Judaism, the origins and composition of the canonical and apocryphal Gospels, an analysis of significant historical events affecting the development of Christianity, and an overview of literature from authors in the study of history, religion, and theology. (Same as RGS 461.)

Prerequisites

Experience in HIS/RGS 354, 363, or 364 is recommended

DEPARTMENT:

History

HIS463 - History of Greek Theatre
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A seminar examining the origin, development, and later influences of Greek theatre. Particular attention will be paid to the religious, poetic, and literary origins of Greek drama, as well as the relation between the genres of Tragedy and Old Comedy and their separate developments into the genre of New Comedy. The course will likewise examine the impact of Greek theatre on later dramatic genres and present-day media.

Prerequisites

Experience in HIS/RGS 363 is recommended

DEPARTMENT:

History

HIS464 - Caesar Augustus and the Roman Empire
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A seminar examining the collapse of the Roman Republic and subsequent revolution under the reign of Emperor Caesar Augustus. Topics include an analysis of the last generation of the Republic and Triumviral period, the nature and presentation of Augustus' Principate, the changing nature of the Empire throughout Augustus' reign, and the later impact of the Roman Empire as a model for both democratic empires and totalitarian states.

Prerequisites

HIS/RGS 364 is recommended

DEPARTMENT:

History

HIS465 - The Ancient Celts and the Classical World
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A seminar examining the sources of Iron Age Celtic history. Discussion will included an overview of current developments in Iron Age European archaeology and subsequent models of Celtic society and its interaction with the Mediterranean world. Analysis of Greek and Roman sources will likewise discuss aspects of Celtic society, as well as the place of the Celts in classical sources and classical genres.

DEPARTMENT:

History

HIS471 - Dynasties of China
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the political, economic, social, and intellectual forces in dynastic China from the Xia to Qing dynasties. This course is designed to provide the student with an in-depth knowledge of the most influential civilization of East Asia.

DEPARTMENT:

History

HIS472 - Modern China
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the political, economic, social and intellectual forces in modern China from 1850 to the present. This course is designed to provide the student with an in-depth knowledge of the major civilization of East Asia.

DEPARTMENT:

History

HIS474 - China in Revolution
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the last decade and collapse of the Qing dynasty and China's subsequent search for unity and political form, beginning with the Republic, proclaimed in 1912, and ending with the Tiananmen massacre of 1989.

DEPARTMENT:

History

HIS475 - Modern Japan
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The cultural and political history of Japan from its unification under the Tokugawa Shogunate to the present. Major topics examined include the Japanese success in meeting the challenge of Western imperialism in the nineteenth century, Japan's own venture into imperialism on the Asian mainland in the twentieth century, and the Japanese economic phoenix in the postwar era.

DEPARTMENT:

History

HIS476 - The World Since 1945
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of new directions in modern history, particularly the rise of the USA and the USSR as world powers and the end of the colonial empires of Asia and Africa. This course will discuss the Cold War through international relations, the escalation of wars in Southeast Asia, Africa, Latin America, and the Middle East, as well as rival strategies for economic and cultural development in the post-war world.

DEPARTMENT:

History

HIS479 - Comparative History Topics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to provide upper-class students with specialized studies of topics (such as racism, industrialism, nationalism and revolution) that cross national, class and chronological boundaries. Topics offered will vary with interests of students and instructors. May be repeated for a maximum of nine credit hours with permission of chair and instructor.

DEPARTMENT:

History

HIS481 - Revolutionary Mexico 1810 to the Present
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth examination of Mexico's history since 1810. Emphasis will be given to economic development and diplomacy during the Diaz regime, the role of culture and North American influence in Mexico's development, and the coming of the 1910 revolution and the one-party state.

DEPARTMENT:

History

HIS488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

History

HIS489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of chair

DEPARTMENT:

History

HIS490 - History Study Abroad
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Course will offer students a direct experience of history through a study abroad program linked to a standard, semester-long co-requisite upper or lower level history course. Course will give students opportunities to travel abroad in a structured program to historic sites and museums related to the subject matter of the co-requisite course. May be repeated for up to six hours. The instructor reserves the right to admit students who have completed the co-requisite course as well as MSU faculty/staff.

Prerequisites

HIS 300

Corequisites

HIS 490 must be taken with a semester-long history course designated for that purpose

DEPARTMENT:

History

HIS491 - Domestic Travel History
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Offers students a direct experience of history through a focused travel program linked to standard on-campus history course. This is intended to supplement normal classroom learning activities by giving students opportunities to visit historic sites and museums related to the topic or time period of the course. May be repeated for up to six hours.

Prerequisites

HIS 300

Corequisites

Must be taken with a semester-long history course designated for that purpose

DEPARTMENT:

History

HIS492 - Historic Preservation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will provide a general overview of the different aspects of historic preservation, including downtown revitalization, neighborhood organization, historic house management, preservation legislation, preservation education and historic architecture. Much of the class is taught in a laboratory atmosphere, with students making on-site visits to a variety of historic preservation projects. Emphasis is given to the study of the development of American architectural styles, so that students can recognize historic houses and place them in a wider context.

DEPARTMENT:

History

HIS493 - Archival Principles and Practices
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth introduction to the care of historical materials, including archives, manuscripts, photographs and ephemeral items.

DEPARTMENT:

History

HIS494 - Historic Interpretation Internship
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will provide on-the-job training in historical interpretation for museums, public or private agencies and historic sites. Each student will be placed in an internship (generally for 12 weeks in the summer) in which he or she will work in an interpretative capacity and conduct a major research project related to the historic interpretation programs of the agency. The student will present the results of this research in a formal paper to a designated advisor in the Department of History. This course will count as a part of the major, but no student will be permitted to repeat the course for credit.

DEPARTMENT:

History

HIS495 - Special Topics II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed as an elective for the upper level undergraduate student; it will cover a particular topic, period, personality or problem of the past. Specific subject matter varies from semester to semester, according to student and faculty interest. Repeatable with permission for total of six hours.

Prerequisites

HIS 300

DEPARTMENT:

History

HIS498 - Museum Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ARC498 - Museum Studies

Description

This course will provide a broad introduction to the field of museum work. Topics included will be the history and philosophy of museums; the social, economic and political trends that shape museums; the staffing, management and financing of museums; and the multiple functions of museums'collection and care of objects, exhibition design and interpretation, educational programs, research activities and public relations. (Same as ARC 498.)

DEPARTMENT:

History

HIS499 - Directed Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Individualized instruction for the exceptional student. May be repeated for a maximum of nine credit hours.

Prerequisites

Permission of department chair

DEPARTMENT:

History

HIS600 - Development of Historical Thinking
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A reading seminar introducing students to historical problems, interpretations, and methodologies, as well as a study of the history of historical scholarship. Students generally must complete a study of a significant historian or historical problem in European, American or non-Western history. Required of first-year history graduate students.

DEPARTMENT:

History

HIS601 - The French Revolution
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A seminar on the origins and development of the French Revolution (1789-1815) that examines the history, politics, and culture of the revolutionary era as well as major works in the historiography of the French Revolution. Historical debates, methodology, and historiography are emphasized at an advanced, graduate level.

DEPARTMENT:

History

HIS602 - Readings in European History
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A systematic reading of major works on selected topics in European history from 1500 to the present. May be taken more than once for credit; consult the department chair.

DEPARTMENT:

History

HIS603 - Europe Since 1914
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Readings on topics in twentieth-century Europe since 1914. Historical debates, methodology, and historiography are stressed.

DEPARTMENT:

History

HIS604 - Nineteenth-Century Europe
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced level study of the social, political, and cultural history of Europe during the long nineteenth-century (1815-1914) with an emphasis on the changes in European society and identity in this period. Topics includes political ideologies, industrialization, imperialism, and changing conceptions of the self. Historical debates, methodology, and historiography are emphasized at an advanced, graduate level.

DEPARTMENT:

History

HIS605 - Seminar in European History
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A critical examination of a major topic or selected topics in European history since 1500, using primary sources. Topics vary and the course may be taken more than once for credit; consult the department chair.

DEPARTMENT:

History

HIS606 - Europe Since 1945
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Survey of the history, politics, and culture of post-WWII Europe. Particular attention will be given to the Cold War, the rise of the European Union, and the challenges faced by an increasingly cosmopolitan Europe in the twenty-first century.

DEPARTMENT:

History

HIS607 - Modern Imperialism and Colonialism
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is a graduate level survey of the history, politics, economics, and culture of global empires since the fifteenth century. Particular emphasis will be given to the European colonial empires in the Americas, Asia, and Africa. States such as the Ottoman, Qing, and Japanese empires will also be discussed. The course explores how modern empires were built and maintained, the ways in which colonized people sought to deal with empire, the effects of imperialism on home countries, and the reasons that empires collapsed.

DEPARTMENT:

History

HIS610 - Modern Britain and Empire
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of Britain since the Stuarts, including its age of greatness in the nineteenth century and its decline in the twentieth century. Political and cultural history are emphasized at an advanced, graduate level.

DEPARTMENT:

History

HIS612 - Modern Germany
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced level study of the political, socioeconomic, and cultural history of Germany from eighteenth century to the present, with particular attention to how the history of Germany was connected to a broader European and global history.

DEPARTMENT:

History

HIS614 - Europe from WWI through WWII
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides a survey of European history form about 1914 to about 1945. It will describe and analyze the events leading to both World Wars as well as some of the consequences of those wars, delineating the major military figures and the military history of the World Wars.

DEPARTMENT:

History

HIS618 - World War II in Asia and the Pacific
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The course will examine the origins and course of the war that began in Manchuria in 1931, expanded to China south of the Great Wall in July of 1937, from there to Pearl Harbor, South east and South Asia and the Pacific Islands by late 1941, and ended at Hiroshima and Nagasaki.

DEPARTMENT:

History

HIS619 - The Third Reich
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced survey of the history, politics, and culture of the Third Reich in Germany (1933-1945). This course will cover the rise, fall, and aftermath of the Nazi regime with a particular emphasis on the Holocaust and the Second World War.

DEPARTMENT:

History

HIS621 - Studies in U.S. Social History to 1865
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is a systematic exploration of the social history of the United States from the first settlement by Europeans through the Civil War.

DEPARTMENT:

History

HIS622 - Readings in United States History
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A systematic reading of major works on selected topics in United States history from colonial times to the present. May be taken more than once for credit; consult the department chair.

DEPARTMENT:

History

HIS624 - United States Foreign Relations Since 1898
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An analysis of U.S. relations with other nations since 1898, placing special emphasis on the interplay of ideals and self-interest in foreign relations.

DEPARTMENT:

History

HIS625 - Studies in U.S. Social History Since 1865
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A systematic, exploration of the social history of the United States from the end of the Civil War to the present.

DEPARTMENT:

History

HIS630 - Studies in American Colonial History
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A systematic exploration of the United States from the first European settlement to the beginning of the American Revolution.

DEPARTMENT:

History

HIS631 - Seminar in United States History to 1865
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A critical examination of a major problem in United States history to 1865 using primary sources. Topics vary and the course may be taken more than once for credit; consult the department chair.

DEPARTMENT:

History

HIS632 - Studies in the Era of the American Revolution
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A systematic exploration of the events that led to the independence of the United States and the establishment of the Constitution.

DEPARTMENT:

History

HIS633 - Seminar in the United States History Since 1865
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A critical examination of a major problem in United States history since 1865, using primary sources. Topics vary and the course may be taken more than once for credit; consult the department chair.

DEPARTMENT:

History

HIS634 - Civil War and Reconstruction
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This offering covers the period from 1815 to the presidential election of 1877, with emphasis on political, military, social, and economic conditions as they related to the sectional controversy raging during this part of the nineteenth century.

DEPARTMENT:

History

HIS635 - Transformation of America 1877 to 1929
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced study of the transformation of the United States from an agricultural to a modern industrial nation. Topics included within this broad theme are the rise of big business and labor unions, urbanization, immigration, the closing of the frontier, reform movements, the struggles of blacks and women for equal rights, national politics, and cultural changes.

DEPARTMENT:

History

HIS636 - Recent America
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the Great Depression, the New Deal, World War II, and the subsequent forces that have shaped contemporary American life. Emphasis is placed on the role of the United States in international relations, the civil rights movement, and domestic economic developments.

DEPARTMENT:

History

HIS637 - Jacksonian America and Sectional Conflict
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course covers the period from 1815 to the presidential election of 1860 and the break-up of the Union. Emphasis is on the political, social, and economic conditions as they related to the sectional controversy that raged during this part of the nineteenth century. Some specific topics include the rise of the common man, the Jacksonian era, slavery and the abolitionist movement.

DEPARTMENT:

History

HIS641 - History of the Old South
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is an advanced survey of southern history from colonial times through the Civil War. Emphasis will be placed on examining, among other topics, the development and changing characteristics of slavery, southern economic organization in relation to the international colonial system, women in southern society, the South and the Revolutionary War, the South and the development of the U.S. Constitution, the emergence of southern nationalism, and the coming of the Civil War.

DEPARTMENT:

History

HIS642 - History of the New South
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A survey of southern history from the end of the Civil War to the present, emphasizing the economic, political, social, and cultural aspects of southern history. A major theme will be the juxtaposition of the enduring characteristics of the South with the process of change since World War II.

DEPARTMENT:

History

HIS646 - History of Kentucky
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The process of political, economic and social evolution in Kentucky is traced from early settlement to the modern area in this graduate course. Geographical influences upon the patterns of Kentucky development, Kentucky's changing role within an expanding union, and the Commonwealth's participation in national movements and events are stressed.

DEPARTMENT:

History

HIS649 - Islam in the Modern World
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Beginning with the 18th century, the course will cover Islamic reform movements, then look at Muslim responses to Western and modern influence in the Islamic world. Finally, the course will examine the rise of radical and moderate trends in Islam. The geographical reach of this course is Eurasia and Africa. Special attention will be paid to political Islam and Islamic terrorist organizations.

DEPARTMENT:

History

HIS650 - Modern Africa
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course considers the causes for European colonization of Africa, the ways in which African resistance and collaboration with Europeans set the stage for the formation of new economies, societies, and policies in Africa, and the process of decolonialization, with an emphasis upon how that process shaped modern African states.

DEPARTMENT:

History

HIS651 - Africa, Slavery and the Diaspora
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Survey of the history of slavery in Africa and the African diaspora. The course closely examines the period from 1400 to 1800, as well as slavery in Africa in the nineteenth and twentieth centuries. Particular emphasis will be given to the effects of slavery on the social and political fabric of Africa and the world beyond.

DEPARTMENT:

History

HIS656 - The Arab-Israeli Conflict
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the historical background to the conflict between the state of Israel and the Arab states. This course will examine the origins of Zionism and of Arab nationalism in the 19th century, the phases of Jewish settlement in Palestine, the consequences of the First World War for Zionist and Arab nationalist movements, the British Mandate in Palestine, the Israeli war for independence in 1948, Nasserism, the Suez War, the Six-Day War, the invasion of Lebanon, the Intifada, and the possibilities for peace.

DEPARTMENT:

History

HIS659 - Genocide in World History
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A graduate survey of the causes, course, and consequences of genocide throughout world history from the ancient world to the present. This course will explore case studies from different areas of the world across time. Special attention will also be given to the issues of memory, reconciliation, and justice.

DEPARTMENT:

History

HIS662 - Seminar in Global History
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A critical examination of a major topic or selected topics in global history, using primary sources. Topics vary and the course may be taken more than once for credit for a maximum of six credits; consult the department chair. Content will vary depending on the instructor and the theme or themes chosen.

DEPARTMENT:

History

HIS663 - Readings in Global History
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A systematic reading of major works on selected topics in the history of Africa, Asia or Latin America. May be taken more than once for credit; consult the department chair.

DEPARTMENT:

History

HIS664 - Public History: Professional Practice
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An overview of the field of public history that focuses on the historical development of the field and of Americans' thinking about their history, current professional practice in the various areas of public history, including professional ethics, and the particular skills involved in each of these areas.

DEPARTMENT:

History

HIS665 - Oral History: Project Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A detailed, advanced consideration of the planning, development, and operation of oral history projects for colleges, libraries, museums, corporations, professional organizations, and public schools.

DEPARTMENT:

History

HIS666 - Administration of Historical Organizations
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A comprehensive consideration of the issues involved in the administration and management of historical organizations, including museums, archives and special collections libraries, historic preservation organizations, and local historical societies.

DEPARTMENT:

History

HIS668 - Museum Studies: Professional Practice
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Introduces students to the development of the museum as a cultural institution in the United States and to professional practice regarding the care of collections, the development of exhibits, and other aspects of the profession. Also addresses professional ethical standards in the museum profession. Field trips and a semester project will give students an opportunity to apply what they study.

DEPARTMENT:

History

HIS669 - Historic Preservation: Professional Practice
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth exploration of the field of historic preservation, with an emphasis on current professional practice and the application of historical research methods and analytical skills to the field.

DEPARTMENT:

History

HIS674 - China in Revolution
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the last decade and collapse of the Qing dynasty and China's subsequent search for unity and political form, beginning with the Republic, proclaimed in 1912, and ending with the Tiananmen massacre of 1989 and market reforms.

DEPARTMENT:

History

HIS675 - Modern Japan
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The cultural and political history of Japan from its unification under the Tokugawa Shogunate to the present are covered at an advanced level. Major topics examined include the Japanese success in meeting the challenge of Western imperialism in the nineteenth century, Japan's own venture into imperialism on the Asian mainland in the twentieth century, and the Japanese economic phoenix in the postwar era.

DEPARTMENT:

History

HIS676 - The World Since 1945
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A survey of new directions in modern history, particularly the rise of the USA and the USSR as world powers and the end of the colonial empires of Asia and Africa. The course will discuss the Cold War through international relations, the escalation of wars in Southeast Asia, Africa, Latin America, and the Middle East, as well as rival strategies for economic and cultural development in the post-war world.

DEPARTMENT:

History

HIS681 - Revolutionary Mexico, 1810-Present
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth examination of Mexico's history from 1810 to the present, with emphasis on economic development and diplomacy in the era of Porfiro Diaz (1876-1911), the role of culture and North American influence in the Revolution of 1910-1920, the emergence and seventy-five-year rule of the Party of the Institutional Revolution (PRI), and the post-NAFTA resurgence of revolutionary activity.

DEPARTMENT:

History

HIS690 - Directed Study and Research
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Supervised independent or group study of a topic or topics in European, United States, or non-Western history. May be taken more than once for credit.

Prerequisites

Permission of department chair

DEPARTMENT:

History

HIS691 - Directed Studies in Public History
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Supervised independent or group study in one or more of the following public history fields: historic preservation, historic interpretation, museum studies, and oral history. May be taken more than once for credit.

DEPARTMENT:

History

HIS692 - History Study Abroad
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Offers students a direct experience of history through a study abroad program linked to a standard, semester-long co-requisite graduate level history course. HIS 692 will give graduate students opportunities to travel abroad in a structured program to historic sites and museums related to the subject matter of the corequisite course. The instructor reserves the right to admit students who have completed the co-requisite course as well as MSU faculty/staff. Instructors will also drop students who have dropped the co-requisite course. May be repeated for up to six hours.

DEPARTMENT:

History

HIS693 - Domestic Travel History
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Will offer students a direct experiences of history through a focused travel program linked to a standard, semester-long graduate-level course. This course will supplement normal classroom learning activities by giving students opportunities to travel to historic sites and museums related to the topic or time period of the co-requisite course as well as MSU faculty/staff. To receive credit, the student must remain in the co-requisite course for the duration of the semester.

DEPARTMENT:

History

HIS695 - Special Topics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course designed as an elective for the graduate student; it will cover a particular topic, period, personality or problem of the past. Specific subject matter varies from semester to semester, according to student and faculty interest. Repeatable with permission of the chair for a total of six hours.

DEPARTMENT:

History

HIS697 - Graduate Professional Engagement Seminar
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An applied learning capstone course for history MA students based on research, writing, and a final research project. The student will produce an article-length essay or other comparable approved project utilizing skills related to the study of history. This essay or project should be an appropriate length and/or scale to be suitable for publication, release, or use in a classroom. Students should complete HIS 697 in their penultimate semester in their program. Required for all history graduate students.

DEPARTMENT:

History

HIS698 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

History

HIS699 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

History

HON: Honors

HON100T - Transitions for Undeclared Incoming Honors Students
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A one-hour semester course designed for incoming Honors Program students with an undeclared major. Graded pass/fail.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON101 - Topics in Business and Public Affairs
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introductory course treating topics or issues in one or more of the following areas of study: economics, management, marketing, finance, accounting, or computer science.

Prerequisites

Admission to the Commonwealth Honors Academy

DEPARTMENT:

Honors Program

HON102 - Topics in Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introductory course treating topics or issues in one or more of the following areas of study: organizational communication, radio-television, print journalism, advertising, or public relations. Can not count as a JMC course (minor or major) or as a liberal arts limited elective for JMC students.

Prerequisites

Admission to the Commonwealth Honors Academy

DEPARTMENT:

Honors Program

HON103 - Topics in Humanities and Fine Arts
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory course treating topics or issues in any of the following areas of study: history, philosophy, English, art, music, theatre, dance, or modern languages.

Prerequisites

Admission to the Commonwealth Honors Academy

DEPARTMENT:

Honors Program

HON104 - Topics in Social Sciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory course treating topics or issues in any of the following areas of study: sociology, psychology, political science, or economics.

Prerequisites

Admission to the Commonwealth Honors Academy

DEPARTMENT:

Honors Program

HON105 - Topics in Health Sciences and Human Services
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory course treating topics or issues in any of the following areas of study: nursing, social work, criminal justice, exercise science, occupational safety and health, or communication disorders.

Prerequisites

Admission to the Commonwealth Honors Academy

DEPARTMENT:

Honors Program

HON106 - Topics in Science, Engineering and Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introductory course treating topics or issues in any of the following areas of study: biology, physics, chemistry, engineering technology, geosciences, geology or mathematics.

Prerequisites

Admission to the Commonwealth Honors Academy

DEPARTMENT:

Honors Program

HON107 - Topics in Agriculture and Animal Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory course treating topics or issues in any of the following area of study: agriculture, animal science, or animal health.

Prerequisites

Admission to the Commonwealth Honors Academy

DEPARTMENT:

Honors Program

HON109 - Interdisciplinary Humanities and Fine Arts
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to ways of knowing, issues, and practices in selected humanities and fine arts disciplines, including philosophy, literature, history, art, music, and theater. The course is open only to students in the Commonwealth Honors Academy. The work of the various disciplines (and different sections) will be rotated and organized around a general theme each time the course is offered.

Prerequisites

Admission to the Commonwealth Honors Academy

DEPARTMENT:

Honors Program

HON110 - Special Honors Topics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A special topics elective course that will introduce students to concepts, issues, and practices in one of the academic disciplines.

Prerequisites

Admission to the Commonwealth Honors Academy

DEPARTMENT:

Honors Program

HON133 - Honors Seminar in Sociology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will introduce students to sociology and the sociological perspective by focusing upon contemporary societies. Through a study of key concepts such as cultures, society, group behavior, population, family, stratification, community, social institutions and change, students will be given the tools by which to understand better their society and others around the world. HON 133 will fulfill the requirements for and can replace SOC 133. SOC 133 will not fulfill the requirements of HON 133.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON140 - Honors Seminar in American National Government
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to introduce students to the American political system, its constitution, institutions, and process. Fulfills three hours of the University Studies requirement in place of POL 140. A student may not receive credit for both HON 140 and POL 140.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON150 - Honors Seminar in Archaeology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of archaeology's contribution to humankind's knowledge of prehistoric ad historic development on a worldwide basis with emphasis placed upon discoveries rather than methods or archaeology. HON 150 will fulfill the requirements for and can replace ARC 150. ARC 150 will not fulfill the requirements of HON 150.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON161 - Honors Seminar in Visual Arts
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of the importance of the visual arts in human culture through visual presentations, readings, discussion and participation. A University Studies fine arts elective. A student cannot have credit for both this course and ART 121.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON162 - Honors Seminar in Music
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of the importance of music in human culture through aural presentation, reading, discussion, and participation. A University Studies fine arts elective. A student cannot have credit for both this course and MUS 105.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON163 - Honors Seminar in Theatre
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of the importance of theatre in human culture through reading, attendances at dramatic interpretations, discussion, and participation. A University Studies fine arts elective. A student cannot have credit for both this course and THD 104.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON164 - Honors Seminar in Arts and Culture Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An interdisciplinary exploration, in study-abroad settings, of the visual arts, architecture, music, theatre, and cinema. Classes will consist of lectures, discussions, and presentations based on cultural experiences of the fine arts abroad, with related readings. Research and critical writing will be emphasized. Assignments will include class excursions, museum visits, and attendance at concerts, plays, and films.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON165 - Honors Seminar in Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of interpersonal communication and public address skills necessary for personal and professional success. A university studies communication and basic skills elective. A student cannot have credit for this course and COM 161 or COM 181.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON180 - Honors Seminar in Psychology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A basic survey introducing the student to Psychology as a science that can be applied to practical problems and everyday issues by learning the methods, concepts, and terminology of the discipline. A student cannot have credit for both this course and PSY 180.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON201 - Honors Seminar in World History I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An interdisciplinary course involving readings and discussion of environmental, social, economic, and political influences and developments in the major civilizations of the world prior to 1500 A.D. Fulfills three hours of the world civilizations University Studies requirement in place of CIV 201. A student cannot have credit for both this course and CIV 201.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON202 - Honors Seminar in World History II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An interdisciplinary course involving readings and discussion of environmental, social, economic and political influences and developments in the major civilizations of the world since 1500 A.D. Fulfills three hours of the world civilizations University Studies requirement in place of CIV 202. A student cannot have credit for both this course and CIV 202.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON203 - Honors Seminar in American History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course introduces students to North American history, focusing on cultures and societies from pre-Columbian to present day and the historical events which shaped the United States.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON212 - Honors Seminar in Ethics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to classic and contemporary problems of personal and social morality and to the systems and methods proposed by the philosophers, past, and present, in response to questions of good and evil. HON 212 will fulfill the requirements for and can replace PHI 202. PHI 202 will not fulfill the requirements of HON 212.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON232 - Honors Seminar in Economics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the application of the basic principles of supply and demand to issues in aggregate economics and to the behavior of individual economic agents. A student cannot have credit for this course and both ECO 230 and 231.

Prerequisites

Admission to the Honors College; MAT 117, 140, 150, or 220; or an ACT math standard score of at least 23

DEPARTMENT:

Honors Program

HON251 - Honors Seminar in Literature and Philosophy I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of the roots of modern ethics and values through intensive study, in a lecture/precept setting, of the world's literary and philosophical works from the ancient to the modern eras. Fulfills three hours of the humanities University Studies requirement in place of HUM 211. A student cannot have credit for both this course and HUM 211.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON252 - Honors Seminar in Literature and Philosophy II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of modern ethics and values through intensive study, in a lecture/precept setting, of the world's literary and philosophical works in the modern to post-modern eras. Fulfills three hours of the humanities University Studies requirement. A student cannot have credit for both this course and HUM 212.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON261 - Honors Seminar in Science I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration through readings and discussion of various topics in the history and philosophy of science.

Prerequisites

Admission to the Honors College and minimum of 4 earned credits in lab sciences to be approved by the Honors College Director

DEPARTMENT:

Honors Program

HON262 - Honors Seminar in Mathematics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration through guided discovery activities and discussion of various topics in the history and methods of mathematics.

Prerequisites

Admission to the Honors College and earned credit in a minimum of 1 University Studies mathematics course

DEPARTMENT:

Honors Program

HON270 - Honors Seminar in International Relations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The nature of international society and the forces affecting the behavior of states in their relations with one another. HON 270 will fulfill the requirements for and can replace POL 250. POL 250 will not fulfill the requirements of HON 270.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON272 - Honors Seminar in Comparative Politics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides the student with comparative and evaluative concepts and approaches necessary to developing an intelligent understanding and appreciation of the world's diverse political systems, focusing particularly on how democracy works. HON 272 will fulfill the requirements for and can replace POL 252. POL 252 will not fulfill the requirements of HON 272.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON290 - Honors Seminar in Service and the Nonprofit Sector
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to introduce students to notions of service and volunteering, as well as to the broad roles of nonprofit organizations in society. Includes an emphasis on the values embodied in philanthropy and the nonprofit sector, such as service, volunteering, human and cultural diversity, trust, stewardship, and social justice. Provides a direct exposure to the working of a local nonprofit organization or community service organization through service learning projects. Part of the Service Learning Scholars Program. Fulfills three hours of the University Studies requirement in place of NLS 290. Fulfills NLS 300 for students in the Honors College. A student may not receive credit for both HON 290 and NLS 290.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON355 - Honors, Independent Study Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed for those students who elect to engage in an individualized study or project which will provide an international experience. It may take the form of an exchange, internship, and/or extended research study. Permission for enrollment and course requirements must be secured from the academic department sponsoring the study and approved by the Honors Program.

Prerequisites

Admission to the Honors College; permission of academic department and Honors College Director

DEPARTMENT:

Honors Program

HON364 - Advanced Honors Seminar in Arts and Culture Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

Description

An advanced interdisciplinary exploration of the visual arts, architecture, music, theatre, cinema, and folk and popular culture. Offered only in study-abroad programs sponsored by Murray State University. There will be at least 37 contact hours in a formal classroom setting, and additional 'lab' requirements that will depend upon cultural offerings in the program locale and in excursion destinations. This course will be cross-taught with HON 164, but substantial additional independent research and critical writing will be required.

Prerequisites

Admission to the Honors College; junior standing; minimum of 3 earned credits in fine arts; and a minimum cumulative gpa of 3.0 at the time of application to the study abroad program

DEPARTMENT:

Honors Program

HON437 - Senior Honors Thesis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A faculty-supervised thesis and/or project which allows Honors Program students with a senior standing to undertake advanced research. A thesis paper and/or written review of the exhibit or performance is required.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON440 - Honors Professional Engagement Project
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A faculty-supervised major project related to the student's field that includes research into the issue, a faculty committee-approved plan, the project itself, and a final committee review of the finalized project. A substantial written report on the project is required.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HON444 - Internship Research & Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A faculty-supervised major project following a substantial internship in the student's field that identifies a professionally significant issue encountered during the internship, includes research into and analytical reflection on the issue, and concludes with a final committee review of the final analysis. A substantial written report on the project is required.

Prerequisites

Admission to the Honors College

DEPARTMENT:

Honors Program

HPE: Health and Physical Education

HPE175 - Foundations of Health and Physical Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed to provide an overview of health and physical education. This will examine the scope, history, philosophy, aims and objectives of health and physical education programs as well as career opportunities in the field.

Prerequisites

Permission of the program coordinator

DEPARTMENT:

Adolescent, Career and Special Education

HPE360 - Teaching Strategies in Sex Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to address comprehensive sex education in schools, including human sexuality, sexual anatomy, and physiology; sexual arousal and response; sexually transmitted diseases including HIV/AIDS; contraception; conception; pregnancy; gender roles; sexual communication; love and intimacy; behaviors and relationships; and sexual victimization.

Prerequisites

Permission of the program coordinator

DEPARTMENT:

Adolescent, Career and Special Education

HPE370 - Teaching Substance Abuse Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to address comprehensive drug education programs in school and community settings which include drugs, violence, and wellness; factual account of drugs; alcohol, tobacco, and well-being; prevention and treatment of drug abuse; and instructional strategies. Topics covered in this course will include promotion of responsible and healthful behavior; drug actions and reactions; stimulant, sedative-hypnotic, and narcotic drugs; marijuana, hallucinogens, inhalants, over-the-counter, and prescription drugs; anabolic steroids; alcohol; tobacco; prevention and treatment of drug abuse; drug education curriculum.

Prerequisites

HPE 175 and permission of program coordinator

DEPARTMENT:

Adolescent, Career and Special Education

HPE409 - Evaluation and Assessment in Health and Physical Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Basic statistical techniques and paper/pencil testing methodologies applicable to health and physical education plus other physical and mental testing techniques commonly employed in these fields. Various physical and skill tests will be covered. Field experiences required.

Prerequisites

HPE 175

DEPARTMENT:

Adolescent, Career and Special Education

HPE450 - Teaching Strategies in Health Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to address comprehensive school health education. Topics covered include the health status of children, adolescents and young adults; Healthy People 2000; school health services; school health education; program goals and objectives; and instructional strategies. Content covered in the school health education program: mental/emotional health; life skills; family and relationship skills; human sexuality; growth and development; nutrition; personal fitness; substance use and abuse; diseases and disorders; consumer health; safety and injury prevention; and community and environmental health.

Prerequisites

HPE 175 and permission of program coordinator

DEPARTMENT:

Adolescent, Career and Special Education

HPE480 - Special Problems in Health and Physical Education
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

May be repeated for a maximum of six credit hours with permission of advisor and chair.

Prerequisites

Permission of advisor and chair

DEPARTMENT:

Adolescent, Career and Special Education

HUM: Humanities

HUM100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University and will serve as an introduction to the university. Content includes orientation to the specific area or major(s) and minor(s) within the college; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

English and Philosophy

HUM180 - Explore Teaching in the Humanities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course introduces aspiring teacher candidates to explore art, English, history, global languages, and TESOL education as a profession. Students will engage in experiential learning activities including clinical observations and interactions in appropriate school settings in K-12 content area classes. Candidates will actively explore the importance of professional identity, roles, and responsibilities; knowledge, skills, and dispositions: student-centered practices; and students' developmental and cultural needs. Historical and philosophical foundations of education, curriculum and lesson design, contemporary resources, and best practices in teaching. By the end of the course, candidates will be able to decide for themselves if teaching in the humanities and fine arts is their career choice. Clinical experiences required.

DEPARTMENT:

English and Philosophy

HUM205 - The Humanistic Tradition Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of traditional ideas and values as reflected in various international cultures; specific content will vary. Satisfies University Studies humanities elective requirement.

Prerequisites

Concurrent enrollment in study abroad program approved by Murray State University

DEPARTMENT:

English and Philosophy

HUM211 - The Humanities Tradition
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

Description

A thematic exploration of and engagement with major ideas and questions in the humanities as these have been expressed in works from the ancient past to the modern world.

Prerequisites

ENG 105 or 150

DEPARTMENT:

English and Philosophy

HUM212 - Humanities in the Modern World: Diversity
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of humanistic themes as reflected in literary and philosophical works of the modern period. A student cannot have credit for both this course and HON 251.

Prerequisites

ENG 105 or 150

DEPARTMENT:

English and Philosophy

HUM213 - Interdisciplinary Approaches to the Humanities Tradition
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This is a course that focuses on thematic explorations of and engagements with major ideas and questions as expressed in a range of works from the ancient past to the modern world. It is an interdisciplinary course taught by instructors from two or more programs.

Prerequisites

ENG 105 or 150

DEPARTMENT:

English and Philosophy

HUM215 - Humanities in the Contemporary World: Border Crossings
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of one or several contemporary global issues through poetry, fiction, drama, film, non-fiction, and other artistic expressions from a variety of world cultures.

Prerequisites

ENG 105 or 150

DEPARTMENT:

English and Philosophy

HUM380 - Inclusive Teaching of Diverse Learners in Humanities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will examine the design, implementation, and assessment of humanities instruction with the diverse learner in mind. Teacher candidates will synthesize knowledge of learning theories, technology, and evidence-based practices, including classroom management, to develop units of study and lesson plans for K-12 humanities classrooms. The course will introduce candidates to federal laws and guidelines addressing diverse students (e.g. special education, ELL, gifted and talented) and the application to K-12 humanities classrooms. Clinical experiences required.

Prerequisites

HUM 180 or EDU 180; and EDU 280 with a minimum grade of B

DEPARTMENT:

English and Philosophy

IDC: Interdisciplinary Courses

IDC100T - Transitions - Undeclared Majors
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Only one freshman orientation course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Registrar (Bypass Departmental Committee)

IDC150 - Issues in Sustainability Studies
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course helps students increase awareness of timely issues and topics regarding sustainability. Class meetings will include guest speakers from the university and local region, and topics may be local, national, and/or global relevance.

DEPARTMENT:

Registrar (Bypass Departmental Committee)

IDC199 - Residential College Seminar
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A course to provide the student with an opportunity to explore a stimulating topic in a small group setting within a residential college. Seminar topics will vary. May be repeated for up to three hours of credit.

DEPARTMENT:

Registrar (Bypass Departmental Committee)

IDC300 - Graduate Record Examination (GRE) Preparation
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Preparation for the Graduate Record Exam (GRE) through practice exams, readings, lecture, and writing exercises. Fall class open only to those majoring in science, technology, engineering, and mathematics (STEM) majors. Spring class open only to McNair Scholars.

DEPARTMENT:

Registrar (Bypass Departmental Committee)

INF: Information Studies

INF101 - Research in the Information Age
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to explore the phenomena, activities, and issues surrounding the development, gathering, organization, and use of information and resources in a global community. Designed to acquaint students with best practices in information-seeking behavior for various situational, civic, and scholarly purposes, with specific attention given to the ethics of using and creating information.

DEPARTMENT:

University Libraries

INF250 - Advanced Information Gathering: Resources and Strategies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced information gathering techniques to teach students to report, gather, process, and transform information. The course will involve seeking sources in libraries, public records, books, magazines, journals, corporate reports, online databases, personal interviews, and internet resources. Field trip will be required.

Prerequisites

INF 101

DEPARTMENT:

University Libraries

INF260 - Censorship, Propaganda and Privacy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is a critical analysis of historical, national, and international instances and accusations of propaganda, censorship, and privacy violations. The course will examine definitions, motives, and consequences of each in a democratic society, Attention will be given to current and potential public policy on information technology access, net neutrality, corporate and government privacy concerns, and other topics as relevant.

Prerequisites

INF 101

DEPARTMENT:

University Libraries

INF270 - Intellectual Property in the Information Age
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will serve as an exploration into the purpose and history of intellectual property protections throughout the world, and in particular the benefits and weaknesses of United States copyright law on the creation and diffusion of creative and scientific works in the information age. This course will primarily focus on public policy implications and will explore cases and controversies of interest for continuing the creation of information.

Prerequisites

INF 101

DEPARTMENT:

University Libraries

INF280 - Introduction to Information for Health Practitioners and Consumers
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

An eight-week online course designed for the health sciences disciplines and professions to explore methods of information retrieval in online health science databases and grey literature, finding and evaluating consumer health medicine for various literacy levels, and learning the process of evidence-based practice (EBP) including question building, searching, and critical appraisal of studies.

DEPARTMENT:

University Libraries

INF310 - Medical Information for Practitioners and Consumers
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed for those with a practitioner or consumer interest in the health sciences to explore methods of information retrieval in online health science databases and grey literature, finding and evaluating consumer health medicine for various literacy levels, and learning the process of Evidence-based medicine (EBM) including question building, searching, and critical appraisal of studies.

Prerequisites

INF 101 and admission to CDI program

DEPARTMENT:

University Libraries

INF320 - Examination of Scientific Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to critically examine the current status, new trends, and evolving models in scientific scholarly communication. It is also designed to discuss the importance of communicating science to the general public; in particular, the course will cover how the ever-evolving cyberspace complicates scientific communication, the importance of rethinking the interface between the science community and the public, and the role of science journalism.

Prerequisites

INF 101

DEPARTMENT:

University Libraries

INF330 - History of Libraries and the Written Word
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to give students a firm understanding of the evolution of the written word and the role of libraries. This class will explore libraries and the written word throughout different eras in history and then intensely focus on the development of the library institution in the United States through the 20th century. This will help frame conversations about the future of libraries and the written word facing the advent of the Internet, global technology, and the digital revolution.

Prerequisites

INF 101

DEPARTMENT:

University Libraries

INF340 - Children's and Young Adult Literature and Storytelling
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed for anyone who embraces children's and young adult literature and storytelling as an essential part of information delivery in the 21st century. This course will provide an overview of the main authors, illustrators, theories, and awards of children's and young adult literature and elements and role of storytelling in the genre. Students will gain experience in various techniques and digital tools for story creation.

Prerequisites

INF 101

DEPARTMENT:

University Libraries

INF350 - Topical Seminar in Information Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed as an elective for the upper-level undergraduate student pursuing a minor in Information Studies. The course will cover selected topics and problems related to information studies. Specific subject matter may vary from semester to semester, according to student and faculty interest. May be repeated for a maximum of six credit hours provided topics vary.

Prerequisites

INF 101

DEPARTMENT:

University Libraries

INF400 - Directed Study
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Independent work in the area of information studies to meet the needs and interest of individual students. May be repeated for a maximum of six credit hours provided topics vary.

Prerequisites

Permission of instructor

DEPARTMENT:

University Libraries

INT: International Studies

INT100T - International Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course to provide international students with information and experiences necessary for successful adjustment to life in the U.S. and at Murray State University. The course will include MSU facilities, American culture and educational systems, health care, culture shock, government regulations, international student organizations, and the Murray community. Similar to freshman orientation required of all American students. Required of all matriculating international students. Only one freshman orientation course will count toward graduation. Graded pass/fail.

DEPARTMENT:

International Studies

INT310 - International Student Exchange
CREDITS:

3 - 15

COURSE LEVEL:

Undergraduate

Description

Individual study abroad through a Murray State sponsored program as administered by the Institute for International Studies; pre-approval within specific disciplines required; pass/fail.

Prerequisites

Permission of academic advisor and pre-approval by instructors prior to registration

DEPARTMENT:

International Studies

INT600 - Seminar in Global Studies
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Course is a seminar focusing on selected topics and taught outside the United States. Topics and content will vary with instructor and course location. It may be repeated for credit.

Prerequisites

Permission of instructor

DEPARTMENT:

International Studies

INT610 - International Student Exchange
CREDITS:

3 - 15

COURSE LEVEL:

Graduate

Description

Individual study abroad through a Murray State sponsored program as administered by the Institute for International Studies; pre-approval within specific disciplines required; pass/fail. Prerequisite: consent of academic advisor and pre-approval by instructors prior to registration; senior and graduate level.

Prerequisites

Permission of academic advisor and pre-approval by instructors prior to registration

DEPARTMENT:

International Studies

IOE: Institute of Engineering

IOE100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Meetings with advisors, departmental personnel, service areas, and campus field trips comprise the main involvement. Availability of the University resources is stressed with emphasis on personal needs. Graded pass/fail.

DEPARTMENT:

Institute of Engineering

IOE101 - Introduction to Engineering Design
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

This introduction course includes topics related to the engineering profession, engineering disciplines, and the engineering process. This course emphasizes a problem-solving approach and the engineering design process. This course is for high school students to receive dual credit for a pre-engineering course (IED- Introduction to Engineering) in the Project Lead the Way (PLTW) curriculum. A student who receives a B or better in the PLTW high school course will receive two hours of credit from Murray State University after completing the Department Challenge. Graded pass/fail.

DEPARTMENT:

Institute of Engineering

IOE125 - Analytic Methods in Engineering Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to problem-solving methods used in engineering technology. Graphing, mathematical modeling and presentation of analysis results. Includes use of spreadsheet, equation solver, and analysis software.

Prerequisites

MAT 130 or 150

DEPARTMENT:

Institute of Engineering

IOE350 - Technology Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course introduces the concept and tools for effectively managing/supervising engineering and technology-based businesses. Emphasis will be placed on managerial topics to include: strategic planning, budgeting, human resource planning, organizational structure, conflict resolution, and the management decision-making process.

Prerequisites

ENG 105 and MAT 130 or 140; declared major within the Institute of Engineering

DEPARTMENT:

Institute of Engineering

IOE380 - Professional Internship I
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Work experience or training in industry. Evaluation of experience made by department. Graded pass/fail.

Prerequisites

Junior standing

DEPARTMENT:

Institute of Engineering

IOE381 - Professional Internship II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Work experience or training in industry. Evaluation of experience made by department. Graded pass/fail.

Prerequisites

Junior standing

DEPARTMENT:

Institute of Engineering

IOE397 - Undergraduate Research
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Research projects arranged individually with faculty members who agree to direct the research. A written plan of research must be filed with the instructor within two weeks of the beginning of the semester. A written summary of the research performed, data obtained, and conclusions following from the work must be submitted not later than the final week of classes. May be repeated for a maximum of nine credit hours.

Prerequisites

Junior standing and permission of the instructor

DEPARTMENT:

Institute of Engineering

IOE399 - Professional Development Seminar I
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Seminar for students of industry and technology programs, focusing on the job search process, employment opportunities, and related problems. Recommended for students in the sophomore or junior year. Graded pass/fail.

DEPARTMENT:

Institute of Engineering

IOE419 - Senior Project
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course in which the student assumes the responsibility of design of a technology project utilizing the knowledge gained from previous coursework. Complete documentation of the project is required. (Fall and Spring)

Prerequisites

Senior standing

DEPARTMENT:

Institute of Engineering

IOE481 - Supervised Work/Observation
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

Assignments individually made, with university approval, to afford opportunities for supervised employment in industry. Agreement by both the university and participating employer as to extent and nature of the experience prerequisite to actual assignment, with credit to be determined accordingly.

DEPARTMENT:

Institute of Engineering

IOE488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of instructor

DEPARTMENT:

Institute of Engineering

IOE489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of instructor

DEPARTMENT:

Institute of Engineering

IOE491 - Technology Management and Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The capstone course requires analyses and design of manufacturing, civil, environmental, electrical and computer systems. It requires analyses of management philosophies from conceptualization to implementation of engineering projects. Students are teamed based upon academic concentration and teams are coupled with industrial representatives. Each team produces a viable industrial design.

Prerequisites

Senior standing

DEPARTMENT:

Institute of Engineering

IOE499 - Professional Development Seminar II
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Seminar for students of industry and technology programs, focusing on the transition to the world of work and related problems. Recommended for students in the senior year. Graded pass/fail.

Prerequisites

IOE 399

DEPARTMENT:

Institute of Engineering

IOE550 - Robotic Systems
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A quantitative analysis of robotic systems that includes kinematics, actuators, drives, adaptive control, off line programming and computer simulation. Emphasizes applications in manufacturing processes. Three hours lecture and three hours laboratory.

Prerequisites

EMT 210, 261, 262, and 461

DEPARTMENT:

Institute of Engineering

IOE551 - Introduction to Electrohydraulic Motion Control
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the integration of the basic principles of hydraulics, electronics, controls and system dynamics as they pertain to electrohydraulic motion control.

DEPARTMENT:

Institute of Engineering

IOE571 - Problems in Industrial and Engineering Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Individual study and research pertaining to special problems in industrial and engineering technology.

Prerequisites

Permission of instructor

DEPARTMENT:

Institute of Engineering

IOE575 - Workshop in Industrial and Engineering Technology
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

Workshops on topics pertinent to industrial and engineering technology. May be repeated for a maximum of nine credit hours.

DEPARTMENT:

Institute of Engineering

IOE576 - Industrial Relations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Industrial relations responsibilities, procedures, and applications in job evaluation, wage surveys, union negotiations, hiring, employee counseling, and affirmative action awareness.

Prerequisites

Junior standing

DEPARTMENT:

Institute of Engineering

IOE582 - Production Systems and Computer Integrated Manufacturing
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Includes a survey of various topics in production, automation and related systems such as flow-line production, numerical control, industrial robots, computer-aided manufacturing, process monitoring, flexible manufacturing systems and computer-integrated manufacturing. Three hours lecture and two hours lab.

Prerequisites

EMT 110, 261, and 262

DEPARTMENT:

Institute of Engineering

IOE584 - Engineering Economic Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Economic evaluation and financial analysis of engineering alternatives to optimize the engineering decision process.

DEPARTMENT:

Institute of Engineering

IOE587 - Quality Control
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Examines the various aspects of quality control from the viewpoint that product and service quality requires managerial, technological and statistical concepts throughout all the major functions in an organization.

Prerequisites

CIS 243 or STA 135

DEPARTMENT:

Institute of Engineering

IOE591 - Materials Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The design of an organizational and managerial system to balance the conflicting interests in the company in the considerations of quality, quantity, delivery and cost of materials with the aim of optimizing the return of the materials investment.

DEPARTMENT:

Institute of Engineering

IOE601 - Manufacturing Processes
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will give an overview of manufacturing processes for engineering materials which include metals, plastics, ceramics and composites. The course focuses on the applied sciences in processing of materials. Contemporary and unconventional processes used in manufacturing are also covered. The course aims to establish the technical knowledge for selection, design, and planning of manufacturing processes and systems.

DEPARTMENT:

Institute of Engineering

IOE610 - Operations Research
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This is an introductory graduate-level course on operations research (OR), also known as management science. It is the study of scientific approaches to help make better decisions in a corporate environment. Through mathematical modeling, it seeks to design, improve and operate complex systems in the best possible way.

DEPARTMENT:

Institute of Engineering

IOE619 - Industrial Energy Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of energy utilization in manufacturing environments. Through applied engineering principles and case histories, energy conversion systems are analyzed and designed. Remediation and conservation principles are discussed as are energy policies and utility rate structuring and negotiation.

DEPARTMENT:

Institute of Engineering

IOE644 - Graduate Cooperative Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

May be repeated for a maximum of six credits. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Institute of Engineering

IOE650 - Robotic Systems
CREDITS:

4

COURSE LEVEL:

Graduate

Description

A quantitative analysis of robotic systems that includes kinematics, actuators, drives, adaptive control, off line programming and computer simulation. Emphasizes applications in manufacturing processes. Three hours lecture and three hours laboratory.

Prerequisites

EMT 261, 365, 461, and ENT 111

DEPARTMENT:

Institute of Engineering

IOE651 - Introduction to Electrohydraulic Motion Control
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An introduction to the integration of the basic principles of hydraulics, electronics, controls and system dynamics as they pertain to electrohydraulic motion control.

DEPARTMENT:

Institute of Engineering

IOE671 - Problems in Industrial and Engineering Technology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Individual study and research pertaining to special problems in industrial and engineering technology.

Prerequisites

Permission of instructor

DEPARTMENT:

Institute of Engineering

IOE675 - Workshop in Industrial and Engineering Technology
CREDITS:

1 - 4

COURSE LEVEL:

Graduate

Description

Workshops on topics pertinent to industrial and engineering technology. May be repeated for maximum of four credit hours.

DEPARTMENT:

Institute of Engineering

IOE676 - Industrial Relations
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Industrial relations responsibilities, procedures, and applications in job evaluation, wage surveys, union negotiations, hiring employee counseling, and affirmative action awareness.

DEPARTMENT:

Institute of Engineering

IOE678 - Seminar in Industrial and Engineering Technology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The identification and study of current problems, issues and trends in the field of industrial and engineering technology with special emphasis on the philosophical and psychological assumptions underlying these areas.

DEPARTMENT:

Institute of Engineering

IOE679 - Technical Writings
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Laboratory experimentation and research, analysis of technical data and the preparation and application of technical reports in industrial-technical fields.

DEPARTMENT:

Institute of Engineering

IOE681 - Sustainable Energy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will analyze and design environmental and energy systems that enhance sustainable development and conserve natural resources. Topics include alternative energy development, reduction of energy use in buildings, alternative fuels, life cycle analysis in product development, and environment economics.

DEPARTMENT:

Institute of Engineering

IOE682 - Production Systems and Computer Integrated Manufacturing
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Includes a survey of various topics in production, automation and related systems such as flow-line production, numerical control, industrial robots, computer-aided manufacturing, process monitoring, flexible manufacturing systems and computer-integrated manufacturing. Three hours lecture and two hours lab.

Prerequisites

ENT 111, EMT 261 and 461

DEPARTMENT:

Institute of Engineering

IOE684 - Engineering Economic Analysis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Economic evaluation and financial analysis of engineering alternatives to optimize the engineering decision process.

DEPARTMENT:

Institute of Engineering

IOE687 - Quality Control
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Examines the various aspects of quality control from the viewpoint that product and service quality requires managerial, technological and statistical concepts throughout all the major functions in an organization.

DEPARTMENT:

Institute of Engineering

IOE690 - Industrial Environmental Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will apply environmental management focusing on pollutant sources, impacted media, regulatory requirements, pollution control methods, and the relationship of production to waste materials. It will also focus on the function of an environmental manager in making decisions related to critical environmental issues.

DEPARTMENT:

Institute of Engineering

IOE691 - Industrial Operations
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Quantitative analysis for planning, organizing and controlling a production/operations system.

DEPARTMENT:

Institute of Engineering

IOE692 - Plant Layout and Material Handling
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the arrangement of physical facilities and material handling to optimize the interrelationships among operating personnel, material flow, information flow, and the methods required in achieving enterprise objectives efficiently, economically and safely.

DEPARTMENT:

Institute of Engineering

IOE693 - Systems Management Technology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course dealing with the practical applications of systems management theory to business and industrial situations.

DEPARTMENT:

Institute of Engineering

IOE694 - Research in Industry, Training and Technical Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of techniques and procedures used in designing, conducting, interpreting and evaluating research in industrial, training, and technical education settings. Applications, advantages and limitations of various research methods are studied and explored.

DEPARTMENT:

Institute of Engineering

IOE695 - Industrial Supervision
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth study of the qualities necessary in order for a frontline supervisor to be a vigorous leader, an effective leader, a source of technical know-how and a deft mediator between policy-setting management and the rank-and-file worker.

DEPARTMENT:

Institute of Engineering

IOE696 - Teamwork and the Management of Technology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of how teamwork is used to effectively increase productivity, quality and profits simultaneously in a manufacturing environment. Analysis of historical and current literature shows the evolution from Scientific Management to TQM and ISO-9000 and the advantages of team problem-solving for complex design/production problems. The fundamentals for an effective teamwork environment redeveloped through a wide variety of books and articles. Methods for implementation of a teamwork system are presented, discussed and evaluated.

DEPARTMENT:

Institute of Engineering

IOE697 - Research Industrial and Engineering Technology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Independent study under the guidance of a supervising faculty member in a problem area of industrial education as selected by the student.

DEPARTMENT:

Institute of Engineering

IOE698 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

.

DEPARTMENT:

Institute of Engineering

IOE699 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

.

DEPARTMENT:

Institute of Engineering

JMC: Journalism and Mass Communications

JMC100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Journalism and Mass Communications

JMC168 - Contemporary Mass Media
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The mass media, stressing development, nature, controls under which they operate, economic and political foundations, social implications and future roles. Open to non-majors as an elective.

DEPARTMENT:

Journalism and Mass Communications

JMC194 - Newswriting
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Principles of newswriting for print and electronic media.

Prerequisites

ENG 101 or ENG 104 or 105 with a grade of B or better

DEPARTMENT:

Journalism and Mass Communications

JMC270 - Media Production
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to production technology including audio control room operations, audio and video recording, camera operations and editing.

Prerequisites

ENG 101 or ENG 105 or 150 with a minimum grade of B

DEPARTMENT:

Journalism and Mass Communications

JMC304 - Multimedia Writing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced news story construction for print and electronic media as well as basics of copy preparation for the World Wide Web. Emphasized new style, language usage, and news story construction.

Prerequisites

JMC 194 with a grade of C or better; and GCM 152

DEPARTMENT:

Journalism and Mass Communications

JMC305 - News Editing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Basics of news editing across multiple platforms, including headline writing, legal and ethical issues, editing for style, and using images.

Prerequisites

JMC 194 with a grade of C or better

DEPARTMENT:

Journalism and Mass Communications

JMC322 - Mass Media Study Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of current trends and practices in mass media in foreign nations; specific content will vary.

Prerequisites

Consent of supervising instructor and department chair; acceptance in a study abroad program approved by Murray State University

DEPARTMENT:

Journalism and Mass Communications

JMC330 - Mass Media Effects
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A systematic approach to mass media in terms of structure, functions and effects; includes such topics as meaning, perception, selectivity, ethics persuasion, subliminal seduction, violence and erotica, political socialization, learning, agenda-setting, and uses and gratifications.

Prerequisites

Sophomore standing or higher

DEPARTMENT:

Journalism and Mass Communications

JMC336 - Writing for Media Production
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Theory and practice of writing for radio and television. Includes dramatic scripts; radio and TV copy conventions; script outlines and documentaries.

Prerequisites

ENG 101 or 105 or 150 with a grade of B or better

DEPARTMENT:

Journalism and Mass Communications

JMC358 - Television Studio Production
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Television studio production technology including camera operation, recording, audio and video control, video switching, electronic graphics, lighting, staging, and production organization, with an emphasis on broadcast-quality results.

Prerequisites

JMC 270 and 336 with a grade of C or better; ENG 101 or 105 or 150 with a grade of B or better

DEPARTMENT:

Journalism and Mass Communications

JMC369 - Audio/Video Post Production
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A project-based course that emphasizes the integration of nonlinear video editing with graphic production, 3-D compositing, enhanced audio and DVD authoring.

Prerequisites

JMC 270 and 336 with a grade of C or better

DEPARTMENT:

Journalism and Mass Communications

JMC384 - Sports Media
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The symbiotic relationship between sports and the media that cover them. Also, the impact these two institutions working in tandem have on American society.

DEPARTMENT:

Journalism and Mass Communications

JMC385 - Directed Individual Study
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Repeatable up to three hours.

DEPARTMENT:

Journalism and Mass Communications

JMC386 - Special Topics
CREDITS:

3 - 6

COURSE LEVEL:

Undergraduate

Description

Seminar for juniors or seniors concerning a current topic affecting the mass media. May be repeated one time for total of six hours of credit.

Prerequisites

Junior or senior standing

DEPARTMENT:

Journalism and Mass Communications

JMC391 - Public Relations Principles
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the profession of public relations, skills, jobs, case studies, media relations, and writing. Students may not be enrolled in JMC 391 and JMC 412 simultaneously. Online sections are for non public relations majors only.

Prerequisites

ENG 101 or 105 with a grade of B or better; business program students: MKT 360

DEPARTMENT:

Journalism and Mass Communications

JMC394 - Introduction to Advertising
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey course on the role and function of advertising in society; emphasis on the basic structure and techniques of advertising, marketing, media roles, creative strategies and the agency system.

Prerequisites

ENG 101 or 105 or 150 with a grade of B or better; business program students: MKT 360

DEPARTMENT:

Journalism and Mass Communications

JMC396 - Publication Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced editing class emphasizing newspaper design, layout and graphics.

Prerequisites

JMC 305 with a grade of C or better

DEPARTMENT:

Journalism and Mass Communications

JMC397 - In-depth Reporting
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Techniques of newsgathering, general assignment reporting, and specialized and beat reporting experiences. Emphasizes the acquisition of information through interviews, direct observation, and journalistic research.

Prerequisites

JMC 304 with a grade of C or better

DEPARTMENT:

Journalism and Mass Communications

JMC398 - Advanced Multimedia Reporting
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

News gathering and reporting for broadcast and online media. Surveys news operations and emphasizes construction of news copy, elementary news packaging techniques, and journalistic ethics.

Prerequisites

JMC 194, 270, and 304 with a grade of C or better

DEPARTMENT:

Journalism and Mass Communications

JMC400 - International Mass Communications
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of world's communications systems and the roles they play. Analysis of international news flow. The effect of the basic philosophical differences among the media in the developed and developing worlds and the changing communication technologies will be examined.

Prerequisites

Junior standing

DEPARTMENT:

Journalism and Mass Communications

JMC412 - Content Creation for Public Relations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Emphasis placed on writing across the media, for diverse publics, to achieve organizational objectives. Basic formats include, but are not limited to, news releases, feature articles, fact sheets, newsletters, brochures, and business correspondence. Basic copy editing and design concepts will be covered. Analysis of publicity methods used in professional campaigns will also be included.

Prerequisites

JMC 194 and 391 with a grade of C or better; CSC 125 and GCM 153

DEPARTMENT:

Journalism and Mass Communications

JMC417 - Advertising Creative Strategy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the theory, techniques and practical skills needed for both writing advertising copy and doing basic advertising layout.

Prerequisites

JMC 394 with a grade of C or better

DEPARTMENT:

Journalism and Mass Communications

JMC426 - Advertising Media Sales
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Theory and practical application of media advertising sales. Advertising strategy, policy formulation and implementation. Creative and media decision-making structure and procedure. Management of media sales personnel. Students prepare and present advertising sales plan.

Prerequisites

JMC 394 with a grade of C or better

DEPARTMENT:

Journalism and Mass Communications

JMC439 - Advertising Media Planning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The study and application of media analysis, planning, and buying. Students prepare and present an advertising media campaign.

Prerequisites

JMC 394 with a grade of C or better

DEPARTMENT:

Journalism and Mass Communications

JMC440 - Research Methods for Public Relations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Use of social science research methods in public relations. Emphasis will be on survey techniques and focus groups, interpretation, application, and communication of research findings to the public.

Prerequisites

JMC 330 with a grade of C or better

DEPARTMENT:

Journalism and Mass Communications

JMC444 - Digital Technology for Public Relations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the strategy, tactics, tools, techniques and trends pertinent to the "business" of public relations. The course focuses on new and digital media; social networks and promotional applications; and event planning. Course work includes hands-on use of the latest tools and technologies, including blogs and social websites, monitoring with metrics and analytics, online news releases and new digital methods of disseminating information, Internet promotion and content generation, and special event planning and implementation.

Prerequisites

JMC 194, 391 and 412, with a grade of C or better

DEPARTMENT:

Journalism and Mass Communications

JMC445 - Community Journalism
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of community news media, including organization, content, production, and distribution.

Prerequisites

JMC 394 ; students are encouraged to take ACC 200 and MGT 350 before enrolling in this course

DEPARTMENT:

Journalism and Mass Communications

JMC448 - Media Production Enterprises
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Creating a plan and proposal for a television program, including audience analysis, market appraisal, concept, treatment, script, budget, facilities, crew, cast, location, shooting schedule, and distribution across multiple digital platforms.

Prerequisites

JMC 336 and 358

DEPARTMENT:

Journalism and Mass Communications

JMC451 - Television Field Production
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Single camera and multi-camera electronic field production, non-linear editing and postproduction to create a variety of television productions from spots to full-length programs, with an emphasis on broadcast-quality results.

Prerequisites

ENG 105, JMC 270, and 336; junior standing

DEPARTMENT:

Journalism and Mass Communications

JMC455 - Capstone in Media Production
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Capstone seminar in creating television programs. Topics include program concepts, target audiences, scripting, budgeting, pre-production planning, producing and marketing pilots. It is anticipated that for a successful outcome, students will commit a minimum of nine hours per week to this course plus an additional 30 hours during the semester working on special projects and productions. Work outside the studios may be required for some productions. Preference given to electronic media majors.

Prerequisites

JMC 270, 336, 358, 451

DEPARTMENT:

Journalism and Mass Communications

JMC456 - Advertising Capstone:The Campaign
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A seminar course designed to bring together the knowledge acquired in advertising, marketing and communications courses and apply them to a realistic problem. Students develop management ability in analysis and preparation of complete advertising campaign. Students are required to work in teams to prepare plans books and give formal ad agency presentations.

Prerequisites

JMC 417, 426, and 439 with a grade of C or better

DEPARTMENT:

Journalism and Mass Communications

JMC466 - Advanced Electronic News Reporting and Production
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced electronic journalism, including emphasis on compiling, writing, videotaping, editing and producing news for television. Students serve as reporters, photographers and producers and gain practical work experience at MSU-TV. Includes 30 hours arrangeable lab work.

Prerequisites

JMC 270 and 398 with a grade of C or better

DEPARTMENT:

Journalism and Mass Communications

JMC488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Journalism and Mass Communications

JMC491 - PR Capstone: Cases and Campaigns
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A capstone seminar course designed to provide students an opportunity to demonstrate their mastery of the skills, techniques, and knowledge acquired in previous major and minor courses. Working in teams, students will research, develop, and create a public relations campaign, as well as give formal presentation of their work that includes production of all materials supporting the campaign. This semester-long project should further enhance the students public relations skills and knowledge, as well as develop their management and analytical skills.

Prerequisites

JMC 412, 440, and 444 with a grade of C or better

DEPARTMENT:

Journalism and Mass Communications

JMC492 - Feature Writing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Techniques of researching, writing, editing and marketing feature articles.

Prerequisites

JMC 194 with a grade of C or better

DEPARTMENT:

Journalism and Mass Communications

JMC499 - Senior Seminar
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A required course for all graduating seniors in advertising, public relations, journalism, and radio-TV. A forum for career preparation on such topics as resume and portfolio preparation, job searches, interviews and graduation requirements. Graded pass/fail.

Prerequisites

Senior standing

DEPARTMENT:

Journalism and Mass Communications

JMC586 - Special Topics
CREDITS:

3 - 6

COURSE LEVEL:

Undergraduate

Description

Seminar for juniors or seniors concerning a current topic affecting the mass media. May be repeated one time for a total of six hours of credit.

Prerequisites

Junior or senior standing; and permission of instructor

DEPARTMENT:

Journalism and Mass Communications

JMC590 - Mass Communication Law
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The law as it affects journalism and broadcasting. History and background of the freedom of the press and broadcast industries with emphasis on First Amendment and FCC regulations, including such areas as seditious libel, libel, obscenity, privacy, copyright, advertising and the Fairness Doctrine. Primarily a lecture and reading course.

Prerequisites

Junior standing

DEPARTMENT:

Journalism and Mass Communications

JMC593 - Opinion Writing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course in the writing of opinion, including editorials, personal columns, commentaries, Web logs, and reviews.

Prerequisites

JMC 194 with a grade of C or better

DEPARTMENT:

Journalism and Mass Communications

JMC596 - Internship
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course for students majoring in advertising, journalism, public relations, or television production who have completed a minimum of eight weeks as an intern with the media or an advertising or public relations organization. Students will prepare and present case studies on their work experience.

DEPARTMENT:

Journalism and Mass Communications

JMC597 - Collaborative Journalism Capstone
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Capstone course in journalism. Project-based advanced techniques of specialized reporting, emphasizing community-based journalism and civic journalism for print, broadcast, and online platforms. Includes overview of issues concerning diversity, journalism ethics, and legal concerns.

Prerequisites

JMC 397 and 398 with a grade of C or better

DEPARTMENT:

Journalism and Mass Communications

JMC600 - Seminar in International Mass Communication
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Analysis of theories and research in international mass communication. Focus on transnational information flow and the role of media in facilitating international knowledge and understanding.

DEPARTMENT:

Journalism and Mass Communications

JMC601 - Media, Culture, Gender, and Race
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An analysis of theories and research in mass media influences on images of culture, race, and gender in our society. Focus on the role of news, entertainment and advertising media in the construction and perpetuation of systemic views about members of these particular groups.

DEPARTMENT:

Journalism and Mass Communications

JMC602 - Seminar in Advertising
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth study of the profession of advertising, with a focus on contemporary issues, problems, and challenges; guided discussion and analysis of case studies. Enrollment is limited, with preference to JMC majors.

DEPARTMENT:

Journalism and Mass Communications

JMC603 - Seminar in Public Relations
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth study of the profession of public relations with a focus on contemporary issues, problems, and challenges using guided discussion and analysis of case studies. Enrollment is limited, with preference to JMC majors.

DEPARTMENT:

Journalism and Mass Communications

JMC604 - Introduction to Mass Media
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is designed to give new graduate students a rudimentary knowledge of mass communication and public relations. It obviously cannot serve the purpose of replacing and entire undergraduate curriculum, but instead will provide a working knowledge of terminology and practices associated with mass media industries, journalism, the advertising industry, and the public relations profession.

DEPARTMENT:

Journalism and Mass Communications

JMC610 - Introduction to Graduate Studies in Mass Communications
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Course to orient the new graduate student to graduate study in mass communications. Students are presented with an overview of key skills needed in most research-driven courses. Topics include exploring the library, abstracting research articles, conducting a literature search, developing a research plan, choosing a research topic, examining data and graphics, writing for the social sciences, writing styles for the social sciences, establishing research partnerships, exploring research ideas, and presenting seminars. Students must enroll in this course during their first semester in the graduate program.

DEPARTMENT:

Journalism and Mass Communications

JMC615 - History of Media and Mass Communication
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course introduces students to the history of media and mass communication and to the value of historical inquiry. In addition to tracing a historical arc from alphabet to Internet and from hieroglyphs to coding, the course explores other relevant media concepts such as literacy, visual culture, and information.

DEPARTMENT:

Journalism and Mass Communications

JMC616 - Professional Internship in Mass Communications
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course for advanced students who have completed a minimum of eight weeks as an intern with the media or a public relations or advertising agency. Case studies are prepared by the students on their work experience.

DEPARTMENT:

Journalism and Mass Communications

JMC620 - Strategic Communications
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is designed to explore strategic communication strategies for businesses and other organizations which must communicate with the public. The course addresses the media, methods and ethics of institutions' interactions with a variety of publics. This course uses a lab-based format each week to apply the concepts of the course material. Students should be prepared to think, write, compose, and practice strategic communication skills on weekly basis.

DEPARTMENT:

Journalism and Mass Communications

JMC622 - JMC Study Abroad
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study of current trends and practices in mass media in foreign nations; specific content will vary.

Prerequisites

Admission to graduate studies, consent of supervising instructor and department chair; and acceptance in a study abroad program approved by Murray State University

DEPARTMENT:

Journalism and Mass Communications

JMC630 - Theories of Mass Communications
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The communications process in terms of definitions, characteristics, models, language and nonverbal elements, with a particular emphasis on such empirical effects as selective attention, perception and retention, functions, uses and gratifications, agenda-setting, aggressive behavior due to violent content, and effects of advertising on children.

DEPARTMENT:

Journalism and Mass Communications

JMC648 - Mass Media Industries
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Basic principles of markets and economics and how they apply to media industries. Topics include ownership, convergence, regulation, market forces, and technological forces.

DEPARTMENT:

Journalism and Mass Communications

JMC650 - Media Law Essentials for Business Leaders
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course examines risk-management considerations of businesses that publish online, via social media, with the ability to assess and limit legal liability.

DEPARTMENT:

Journalism and Mass Communications

JMC658 - New Technologies
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The development of technology in media industries and related businesses, such as consumer electronics and office systems. Topics include the nature of technical innovation, economic feasibility, public policy, social impact, and diffusion models.

DEPARTMENT:

Journalism and Mass Communications

JMC660 - Methods of Communications Research
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The research process in mass communication including survey, experimental and archival. Students will become familiar with the philosophy and techniques of social science research, data collection methods, sampling procedures, and statistical analysis. Students will also conduct a research project.

DEPARTMENT:

Journalism and Mass Communications

JMC670 - Philosophical and Ethical Concepts of the Mass Media
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Lecture and seminar course in concepts of the role of the mass media in society. Philosophical background to include legal and ethical issues.

DEPARTMENT:

Journalism and Mass Communications

JMC677 - Directed Individual Study
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course designed to allow student pursuit of individual interests. Proposal must be approved by the graduate faculty instructor prior to registering for the course.

DEPARTMENT:

Journalism and Mass Communications

JMC685 - Specialized Mass Communications
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Directed individual study. Can be a journalistic effort in areas such as science, sports, government, religion, graphics, etc., or a project in radio or television such as a major production or series, an extensive research project on paper or other approved project. Repeatable up to three hours.

Prerequisites

Consent of instructor and written approved proposal required prior to registration

DEPARTMENT:

Journalism and Mass Communications

JMC686 - Special Topics
CREDITS:

3 - 6

COURSE LEVEL:

Graduate

Description

Seminar for seniors and graduate students concerning a current topic affecting the mass media. May be repeated one time for a total of six hours of credit.

DEPARTMENT:

Journalism and Mass Communications

JMC690 - Comprehensive Project
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Capstone of the mass communications degree. An individual independent research, creative, or professional project, designed by the student under the direction of the graduate coordinator and one other JMC faculty member.

Prerequisites

Proposal submitted to and approved by the graduate coordinator by October 15 for spring enrollment-March 15 for summer or fall enrollment; completion of 21 hours in the program; JMC 630 and 660

DEPARTMENT:

Journalism and Mass Communications

JPN: Japanese

JPN101 - Elementary Japanese I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introductory course in modern spoken and written Japanese, designed to develop fundamental skills in the areas of speaking, listening, reading, and writing. Gives contextualized instructions to develop both communicative and cultural competency. Systematically introduces the Japanese writing system (Hiragana, Katakana, and Kanji characters).

DEPARTMENT:

Global Languages and Theatre Arts

JPN102 - Elementary Japanese II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of JPN 101.

Prerequisites

JPN 101

DEPARTMENT:

Global Languages and Theatre Arts

JPN105 - Introduction to Japanese Culture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of contemporary Japanese character and society from a historical perspective. Attitudes, achievements, institutions and life styles of the Japanese people are explored. Conducted in English.

DEPARTMENT:

Global Languages and Theatre Arts

JPN110 - Basic Conversational Japanese
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A conversation-oriented introduction to pronunciation and essential structures and vocabulary. Pronunciation, listening comprehension, speaking and simple reading and writing of material related to conversational situations are included. No continuation offered. Only taught abroad. No prerequisite.

DEPARTMENT:

Global Languages and Theatre Arts

JPN201 - Intermediate Japanese I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continuing study of Japanese at the intermediate level. Stresses reading comprehension, spoken fluency, and composition, with materials organized around social and cultural topics; continues to introduce new Kanji characters.

DEPARTMENT:

Global Languages and Theatre Arts

JPN202 - Intermediate Japanese II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of JPN 201.

Prerequisites

JPN 201

DEPARTMENT:

Global Languages and Theatre Arts

JPN210 - Intermediate Conversational Japan
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to develop the vocabulary and oral communication skills of the student with a background of one year of college Japanese or equivalent. Emphasis will be placed on bringing the student into contact with the Japanese people and various aspects of their culture. No continuation offered. Only taught abroad. May count as a required language course.

Prerequisites

JPN 102 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

JPN301 - Japanese Conversation and Composition
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Intensive practice in speaking and writing based on a variety of topics and materials.

Prerequisites

JPN 202

DEPARTMENT:

Global Languages and Theatre Arts

JPN302 - Japanese Conversation and Composition
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Additional intensive practice in speaking and writing based on a variety of topics and materials.

Prerequisites

JPN 301

DEPARTMENT:

Global Languages and Theatre Arts

JPN306 - Introduction to Japanese Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

As an introduction to literary analysis, this course is designed to develop abilities in analytical reading, oral presentation, and expository writing. The course surveys a variety of literary genres, and is conducted in Japanese and in English.

Prerequisites

JPN 301

DEPARTMENT:

Global Languages and Theatre Arts

JPN310 - Conversation and Composition Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Intensive practice in speaking and writing based on the student's interaction with native speakers and the international setting. Only taught abroad. No continuation offered. May count toward the major and minor approved electives.

Prerequisites

Two years of college Japanese or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

JPN314 - Japanese Culture Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Japanese culture taught in Japanese and only taught in study-abroad programs in Japan. The course entails planned activities as well as excursions to cultural sites in conjunction with readings about the activities, the sites, and the intellectual history and milieu behind their conceptions. The student will explore the history, art, literature, politics, and music of the host country.

Prerequisites

JPN 202 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

JPN315 - Global Cinema in Japanese
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of Japanese cinema and film industry through the examination of significant directors and film movements. The course includes a two-hour per week film screening in addition to class meetings. The course is conducted in Japanese.

Prerequisites

JPN 301

DEPARTMENT:

Global Languages and Theatre Arts

JPN323 - Japanese Culture and Civilization
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of the contributions of Japan to world culture including the historical development of Japan from pre-historic time up to the Meiji Restoration (1868). The class is conducted in Japanese.

Prerequisites

JPN 301

DEPARTMENT:

Global Languages and Theatre Arts

JPN324 - Contemporary Japanese Culture and Civilization
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of attitudes, achievements and behavioral characteristics of the Japanese people from the Meiji Restoration (1868) to the present. The class is conducted in Japanese.

Prerequisites

JPN 301

DEPARTMENT:

Global Languages and Theatre Arts

JPN331 - Advanced Language Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will offer students the opportunity to expand their cultural and linguistic knowledge of Japanese culture through series of conceptual frameworks, such as an international conference, an apartment building, a hotel, or a business. Students will engage in extensive 'role play' and creative exercises to establish contexts, choose fictive identities, and improvise a series of encounters. The class is conducted in Japanese.

Prerequisites

JPN 202

DEPARTMENT:

Global Languages and Theatre Arts

JPN350 - Modern Japanese Literature in Translation

CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ENG350 - Modern Japanese Literature

Description

This course surveys Japanese fiction from the Meiji Restoration (1868) to the present day. We will examine the personal voice, manifest in literary works, and explore the ways in which literature has been closely interwoven with historical movements and social changes of modern times. (Same as ENG 350.)

Prerequisites

ENG 105 or 150

DEPARTMENT:

Global Languages and Theatre Arts

JPN401 - Advanced Japanese I

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is the first semester of the fourth-year Japanese curriculum, which is a continuation of JPN 302 and is designed to further develop the student's four language skills (speaking, listening reading, and writing) and cultural knowledge. The class is conducted in Japanese.

Prerequisites

JPN 302

DEPARTMENT:

Global Languages and Theatre Arts

JPN402 - Advanced Japanese II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is the second semester of the fourth-year Japanese curriculum, which is designed to further develop the student's four language skills (speaking, listening, reading, and writing) and cultural knowledge through various means including the study of authentic materials and classroom activities. The class is conducted in Japanese.

Prerequisites

JPN 401

DEPARTMENT:

Global Languages and Theatre Arts

JPN421 - Topics in Japanese Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Analysis and discussion of characteristics and representative authors from different historical periods and genres of Japanese literature. Course content will vary according to the needs of the Japanese Program. May be repeated to a maximum of nine credit hours. The course is conducted in Japanese.

Prerequisites

JPN 302

DEPARTMENT:

Global Languages and Theatre Arts

JPN431 - Advanced Translation and Interpretation in Japanese
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides the academic resources and practical skills necessary to provide cross-cultural, professional translation and interpretation from Japanese to English and from English to Japanese in a variety of professional fields, such as: business, healthcare, and criminal justice, among others. A field visit to a professional setting where interaction with native speakers is possible.

Prerequisites

JPN 301, 302, 331, GLT 401

DEPARTMENT:

Global Languages and Theatre Arts

JPN441 - Topics in Japanese Cultural Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course explores a variety of factors that contribute to and illustrate the cultural life, social themes, and national perspectives of Japanese society. The course topic will vary depending on the semester during which the course is offered and according to the needs of the students in the Japanese program. The course may be repeated for a maximum of six credit hours. The course is conducted in Japanese and in English.

Prerequisites

JPN 302

DEPARTMENT:

Global Languages and Theatre Arts

JPN460 - Studies in a Genre
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course will explore a particular genre of Japanese literature (e.g., the novel, novella, drama, poetry, short story, etc.), the theory behind the respective genre, and an examination of a variety of works within that genre. May be repeated as a second course for up to six credit hours provided that the second course covers a different genre. The course is conducted in Japanese.

Prerequisites

JPN 302

DEPARTMENT:

Global Languages and Theatre Arts

JPN551 - Directed Studies
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Course work designed to meet specific needs and interests on an individual basis.

Prerequisites

Junior standing or above

DEPARTMENT:

Global Languages and Theatre Arts

LAS: Letters and Sciences

LAS150 - Reading, Writing, and Research in Letters, Arts, and the Social Sciences
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Focusing on the value of the humanities, arts, and social sciences, the course instructs students in the practices of close reading, research, writing, and critical thinking as applied to academic writing and speaking. For all degrees, this course may be used in lieu of ENG 105. May require overnight study away.

Prerequisites

Open only to students enrolled in the CLASS Cohort

DEPARTMENT:

College of Humanities and Fine Arts

LAS211 - World's Historical, Literary & Philosophical Traditions to 1600
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Interdisciplinary course that focuses on enduring ideas, themes, and issues in the world's historical, literary, religious, and philosophical traditions up to 1600 CE. The course contains experiential learning components (such as internship, study away, service learning) that reinforce its academic aims. Fulfills three hours of the humanities University Studies requirement in place HUM 211.

Prerequisites

LAS 150 and open only to students enrolled in the CLASS Cohort

Corequisites

LAS 221

DEPARTMENT:

College of Humanities and Fine Arts

LAS212 - World's Historical, Literary, and Philosophical Traditions from 1600
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Interdisciplinary course that focuses on enduring ideas, themes, and issues in the world's historical, literary, religious, and philosophical traditions from 1600 CE to the present that characterize the central question of human and civic flourishing. The course contains experiential learning components (such as internship, study away, service learning) that reinforce its academic aims.

Prerequisites

LAS 211 and open only to students enrolled in the CLASS Cohort

Corequisites

LAS 222

DEPARTMENT:

College of Humanities and Fine Arts

LAS221 - World's Artistic Tradition to 1600
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Interdisciplinary course that combines art history, music history, and theatre history with a focus on how these take up enduring ideas, themes, and issues up to 1600 CE. The course contains experiential learning components (such as internship, study away, service learning) that reinforce its academic aims.

Prerequisites

LAS 150 and open only to students enrolled in the CLASS Cohort

Corequisites

LAS 221

DEPARTMENT:

College of Humanities and Fine Arts

LAS222 - World's Artistic Traditions from 1600
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Interdisciplinary course that focuses on enduring ideas, themes, and issues in the world's artistic traditions from 1600 CE to the present. The course contains experiential learning components (such as internship, study away, service learning) that reinforce its academic aims. Prerequisite: LAS 221. Corequisite: LAS 212. Open only to students enrolled in the CLASS Cohort.

Prerequisites

LAS 221 and open only to students enrolled in the CLASS Cohort

Corequisites

LAS 222

DEPARTMENT:

College of Humanities and Fine Arts

LAS251 - Ethics and Humanities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Exploration of classic and contemporary problems of personal and social morality and the systems and methods proposed by philosophers, past and present, in response to questions of good and evil.

Prerequisites

LAS 212, 222, and open only to students enrolled in the CLASS Cohort

Corequisites

LAS 261

DEPARTMENT:

College of Humanities and Fine Arts

LAS261 - The Self, the Society and Global Citizenship
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will introduce students to the perspective of the social sciences by focusing on the ways in which identities, actions, and behaviors are shaped by social realities, civic structures, and notion of the self. Through a study of the key concepts within sociology, political science, and psychology, students will be given the tools by which to understand better their society and others around the world. The course contains experiential learning components (such as internship, study away, and service learning) that reinforce its academic aims.

Prerequisites

LAS 211 and open only to students enrolled in the CLASS Cohort

Corequisites

LAS 251

DEPARTMENT:

College of Humanities and Fine Arts

LAS311 - Topics in Letters, Arts, and Social Sciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of pertinent issues that advance student knowledge and engage students with the humanities, arts, and social sciences. Topics studied are at the discretion of the instructor. The course contains experiential learning components (such as internship, study away, and service learning) that reinforce its academic aims.

Prerequisites

LAS 251, 261, and open only to students enrolled in the CLASS Cohort

DEPARTMENT:

College of Humanities and Fine Arts

LAS312 - Advanced Topics in Letters, Arts, and Social Sciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Intensive study of pertinent issues that advance student knowledge and engage students with the humanities, arts, and social sciences. Topics studied are at the discretion of the instructor. The course contains experiential learning components (such as internship, study away, and service learning) that reinforce its academic aims.

Prerequisites

LAS 311 and open to student enrolled in the CLASS Cohort

DEPARTMENT:

College of Humanities and Fine Arts

LBA: Liberal Arts

LBA100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. An introduction to university life in general and the liberal arts major in particular. Graded pass/fail.

DEPARTMENT:

College of Humanities and Fine Arts

LBA438 - Seminar in Liberal Arts
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Capstone course limited to Liberal Arts majors. It is designed to help students who are completing their coursework refine writing, thinking research, and document design skills through the development and completion of a multidisciplinary research-oriented project.

Prerequisites

permission of program coordinator

DEPARTMENT:

College of Humanities and Fine Arts

LBA488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

permission of program director

DEPARTMENT:

College of Humanities and Fine Arts

LBA489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

permission of program director

DEPARTMENT:

College of Humanities and Fine Arts

LIB: Library Science

LIB600 - Libraries and Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is an introduction to the concept of school librarianship, providing an overview of the role of the school media librarian as a teacher and leader in a school community. Students will be required to observe different aspects of a school librarian's activities as part of a field experience activity. The course must be taken during the first semester of the program. Field experience required.

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB601 - Learning and Libraries
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The role of libraries and librarians in encouraging learning, and the concept of information literacy as an essential competency for the enhancement of lifelong learning.

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB604 - Library in the School Curriculum
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An approach to understanding the role of the library media specialist and the media center in the school curriculum, with the aim of developing the school as a learning community, stressing collaboration between administrators, teachers, and media specialists in planning curriculum and professional development.

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB610 - Collection Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Principles, standards, practices, and problems in managing and maintaining library collections, with a focus on school library media centers; examination of the major selection tools and critical evaluation of reviewing sources; integration of external sources, particularly those on the web, into the collection; and consideration of weeding techniques and principles.

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB613 - Clinical Experiences in Library Media
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Students seeking initial certification in library media will participate in a supervised clinical experience for a total of 12 weeks of student teaching. The course is graded Pass/Fail.

Prerequisites

admission to Teacher Education and Student Teaching

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB616 - Children's Literature for Libraries
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course provides a survey of children's literature in multiple formats and of resources used to support and promote reading for information, reading for pleasure, and reading for life-long learning.

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB617 - Research in Young Adult Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth study of chosen areas of young adult literature with emphasis on electronic and print sources by and about authors, genres, and issues, which may include a field experience where students explore the pedagogical implications of their study.

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB620 - Library Administration
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The theories, principles and processes underlying the administration and organization of library service for a learning community; planning; organizing, staffing, directing, coordinating, evaluating, reporting, programming, scheduling, public relations/marketing, budgeting, equipping and housing. May include visits to school library media centers or other libraries for observations or to consult resources as required by course assignments.

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB621 - Library Practicum
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Observation and supervised practice work in an assigned media center upon the completion of the required course work. Students are assigned to an approved school library media center, under the supervision of a certified school media specialist as well as a university coordinator, where they must spend a minimum of 150 clock hours 'on the job' to earn a total of three hours of semester credit. Graded Pass/Fail.

Prerequisites

EDU 626, LIB 620, 630, and 640

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB626 - Administration Practicum in Library Media
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Course provides students with field experience in an assigned school library with a focus on administration of the school library. Students are assigned to an approved school library, under the supervision of a certified, experienced school media librarian as well as a university coordinator, where they must spend a minimum of 50 hours observing or leading activities in or related to the school library. Field experience required. The course is graded pass/fail.

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB630 - Organizing and Managing Library Collections
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will introduce the student to principles for organizing and managing library collections, and trace the life cycle of library materials from selection and acquisition, cataloging, classification, and organization on the shelf, to the removal of materials from the library's collection in deselection or weeding.

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB636 - Collection Practicum in Library Media
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Course provides students field experience in an assigned school library with a focus on managing and organizing a school library collection. Students are assigned to an approved school library, under the supervision of a certified, experienced school media librarian as well as a university coordinator, where they must spend a minimum of 50 hours observing or leading activities in or related to the school library. Field experience required. The course is graded pass/fail.

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB640 - 21st Century Skills and Services
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A consideration of 21st century skills and the services delivered in libraries in order to serve the needs of library users in communicating, collaborating, and cultivating critical thinking and problem solving skills to answer questions, and compile information into knowledge, using both print and digital information sources.

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB646 - 21st-Century Skills Practicum in Library Media
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Course provides students with field experience in an assigned school library with a focus on the teaching of 21st-century skills and on reference services in the school library. Students are assigned to an approved school library, under the supervision of a certified, experienced school media librarian as well as a university coordinator, where they must spend a minimum of 50 hours observing or leading activities in or related to the school library. Field experience is required. The course is graded pass/fail.

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB656 - Technology Practicum in Library Media
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Course provides students with field experience in an assigned school library with a focus on the teaching and management of technology in the school library. Students area assigned to an approved school library, under the supervision of a certified, experienced school media librarian as well as a university coordinator, where they must spend a minimum of 50 hours observing or leading activities in or related to the school library. Field experience required. The course is graded pass/fail.

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB684 - Special Topics
CREDITS:

1 - 6

COURSE LEVEL:

Graduate

Description

This course is a supervised independent study of specialized topics in School Library Media. May be repeated for up to six credit hours.

Prerequisites

Permission of instructor

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB698 - Practicum
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

This course is designed to provide candidates with 60 hours of professional experience in a school library setting. Candidates are expected to apply the knowledge and skill previously acquired in their program. Arrangements for the practicum must be made prior to the beginning of the semester. This course is repeatable for up to six credit hours.

DEPARTMENT:

Educational Studies, Leadership and Counseling

LIB699 - Exit Seminar in Library Media
CREDITS:

1

COURSE LEVEL:

Graduate

Description

This course provides culminating experiences for the Library Media Education Master's Degree program. Students will reflect on their program activities and document their professional growth and development toward becoming school media librarians. The course must be taken in the last semester of the master's program but can be taken with other courses.

DEPARTMENT:

Educational Studies, Leadership and Counseling

LSC: Logistics and Supply Chain Management

LSC100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Management, Marketing and Business Administration

LSC343 - Fundamentals of Operations and Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the concepts and processes of the operations function with emphasis on the application of these to the management of various types of systems. Special attention is given to the management of technology, quality and globalization. The student is introduced to models commonly used in decision-making.

Prerequisites

MAT 120 or higher and conditional or full admission to upper-level business courses or junior standing

DEPARTMENT:

Management, Marketing and Business Administration

LSC452 - Process Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course examines the major aspects of developing, analyzing, improving, and managing business processes. The focus is on processes, as opposed to functions. Virtually all businesses are made up of a series of sequential and/or parallel business processes, many of which cut across functional and organizational boundaries. The ability to understand, design, and manage these complex processes is a critical skill, and competent business process analysts, managers, and architects are in high demand in the job market.

Prerequisites

LSC 343 with a minimum grade of C

DEPARTMENT:

Management, Marketing and Business Administration

LSC461 - Principles of Purchasing and Supply Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides in-depth exposure to the ideas and concepts of purchasing or procurement. These areas include: procurement objectives, ethical standards, strategies and policies, the basic purchasing process, organizing and staffing, supplier selection and relations, international purchasing, price/cost analysis, negotiation, legal aspects, and managing material flows. A focus on the career opportunities in procurement, materials management, and logistics management will be provided.

DEPARTMENT:

Management, Marketing and Business Administration

LSC470 - Introduction to Quantitative Decision Making
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is an introduction to the quantitative analysis of logistics and supply chain systems. Students learn how to analyze, model, and solve a variety of business problems to support managerial decision making. Emphasis is placed on developing fundamental mathematical modeling skills and Excel solution methods.

Prerequisites

LSC 343 (with a minimum grade of C) and CIS 243 or STA 135

DEPARTMENT:

Management, Marketing and Business Administration

LSC475 - International Transportation and Logistics Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is an introduction to business logistics and international freight distribution. Emphasis is placed on supply chain management (SCM) theories, practice, and problems. Students will also explore a Geographical Information Systems (GIS) software package through case study assessments.

Prerequisites

LSC 343 with a minimum grade of C

DEPARTMENT:

Management, Marketing and Business Administration

LSC480 - Supply Chain Management Strategy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Studies and analyzes the dynamic nature of supply chain management for products and services. The course investigates the linkage between a firm's supply chain strategy and business strategy by means of case analysis and focuses on the development and mastery of concepts, insights, practical tools, and decision support systems important for the effective management of the supply chain.

Prerequisites

LSC 343 with a minimum grade of C and CIS 243 or STA 135

DEPARTMENT:

Management, Marketing and Business Administration

LSC488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and financial remuneration. May be repeated for a maximum of six hours from the 488/489 course sequence. Graded pass/fail.

DEPARTMENT:

Management, Marketing and Business Administration

LSC489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluate work experience related to the career and educational objectives of the student for which he/she may receive academic credit and financial remuneration. May be repeated for six hours from the 488/489 course sequence. Letter-graded.

DEPARTMENT:

Management, Marketing and Business Administration

LSC595 - Special Problems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course consists of independent study in the area of logistics and supply chain. Periodic conferences will be arranged with the supervising faculty member on an individual basis.

DEPARTMENT:

Management, Marketing and Business Administration

LST: Legal Studies

LST240 - The Legal Environment of Business
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course involves a presentation of the basic principles of law as they apply to business.

DEPARTMENT:

Political Science & Sociology

LST242 - Real Estate Law
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RES242 - Real Estate Law

Description

Comprehensive survey of the law of realty as it affects the real estate professional. A study which involves historical and recent developments in legislation and court precedent affecting real estate, with emphasis in license law, real estate commission rules and regulations and professional ethics. (Same as RES 242.)

DEPARTMENT:

Political Science & Sociology

LST250 - Mock Trial
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A legal studies course that teaches basic trial advocacy skills through preparation for and participation with the MSU Mock Trial Team in American Mock Trial Association sanctioned competition. May be repeated for up to six hours credit.

DEPARTMENT:

Political Science & Sociology

LST300 - Introduction to Legal Research
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to primary and secondary sources of law including finding tools; federal and state court reports and citation forms; legal digests and encyclopedias; annotated law reports; legal periodicals, including periodical indexes; treatises and restatements; federal and state administrative law; federal, state, and local court rules; research aids. Students will also learn to think, analyze, research, and write like law-trained professionals.

DEPARTMENT:

Political Science & Sociology

LST320 - Family Law
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will explore various areas of family law, such as the formation and dissolution of domestic relations, which includes the law of marriage, annulment, separation, dissolution and maintenance, as well as the custody and support of children.

DEPARTMENT:

Political Science & Sociology

LST340 - Immigration Law
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will explore various areas of immigration law including the following: the history of U.S. immigration law and policy; the contours of the immigration bureaucracy, including the roles played by various federal agencies in immigration decisions; the admission of nonimmigrants (i.e., temporary visitors) and immigrants into the U.S.; the deportation and exclusion of nonimmigrants and immigrants; refugee and asylum law; administrative and judicial review; undocumented immigration; immigration and national security; and citizenship and naturalization.

DEPARTMENT:

Political Science & Sociology

LST350 - Legal Services for the Elderly
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth survey of the major public benefit programs affecting the elderly including Social Security, Supplemental Security Income, Medicare and Medicaid. The course also studies the law relating to pensions, wills, protective arrangements and nursing homes and is intended to prepare paralegal students to assist the elderly having legal problems in these areas.

DEPARTMENT:

Political Science & Sociology

LST370 - Law and Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ENG370 - Law and Literature

Description

A course that explores the intersections between law and literature within larger cultural contexts. (Same as ENG 370).

Prerequisites

CIV 101 and 102, HUM 211 and 212, or equivalent

DEPARTMENT:

Political Science & Sociology

LST400 - Litigation and Trial Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course that explores pre-trial discovery and preparation methods, attorney client privilege, rules of evidence, rules of civil and criminal procedure, and some trial motions. The course will conclude with a moot court trial wherein students will participate as litigating attorneys and witnesses.

Prerequisites

LST 300

DEPARTMENT:

Political Science & Sociology

LST430 - Trusts and Estates
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course that explores the legal requirements of a valid will, living will, power of attorney, a variety of trusts and other estate documents, and the state laws that govern inheritance rights when a person dies without a will. Probate court documents required of a state administrator and probate court evidence methods will also be studied along with state and federal tax consequences.

Prerequisites

LST 300

DEPARTMENT:

Political Science & Sociology

LST440 - Commercial Transactions
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of business organizations and their commercial transactions. Topics include business organizations and relationships, contracts, the Uniform Commercial Code, sales, credit, agency, and property.

Prerequisites

LST 240

DEPARTMENT:

Political Science & Sociology

LST444 - Judicial Process
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

POL444 - Judicial Process

Description

A political science course that surveys the nature, functions and sources of law and the role of politics and the courts in the administration of justice. (Same as POL 444.)

DEPARTMENT:

Political Science & Sociology

LST445 - Constitutional Law I: Development and Trends
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

POL445 - Constitutional Law I: Developments and Trends

Description

A political science course that surveys the development of and historic trends in selected subjects of constitutional law. (Same as POL 445.)

DEPARTMENT:

Political Science & Sociology

LST446 - Criminal Law
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Sources of criminal law. The Model Penal Code, Rules of Criminal Procedure. Constitutional mandates relevant to law enforcement investigative procedures.

DEPARTMENT:

Political Science & Sociology

LST447 - Constitutional Law II: Civil Liberties and Civil Rights
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

POL447 - Constitutional Law II: Civil Liberties and Civil Rights

Description

A political science course that studies the leading court decisions and their impact on the development of American Constitutional Law in the subject areas of civil liberties (Amendment I), civil rights (Amendments IV, V, VI, VIII, and IX) and the equal protection and due process clauses of the Amendment XIV. (Same as POL 447.)

DEPARTMENT:

Political Science & Sociology

LST457 - International Law and Organizations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

POL457 - International Law and Organizations

Description

The origin and development of international law and international organizations. (Same as POL 457.)

DEPARTMENT:

Political Science & Sociology

LST476 - Law in Public Administration
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

POL476 - Law in Public Administration

Description

An examination of the role of law in the administrative process. Topics to be covered include administrative rulemaking and adjudication, enabling statutes, open records and open meetings laws, procedural due process, and civil liability and immunity for public employees and governments. (Same as POL 476.)

DEPARTMENT:

Political Science & Sociology

LST480 - Topical Seminar in Legal Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Inquiry into selected topics and problems in the field of legal studies. May be repeated for a maximum of six hours provided topics may vary.

DEPARTMENT:

Political Science & Sociology

LST482 - Land Use and Planning Law
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

POL482 - Land Use and Planning Law

Description

An undergraduate level examination of the legal, political, and economic aspects of efforts to control the use of land. The course will cover constitutional, statutory, and common law issues regarding nuisance suits, private covenants, subdivision controls, zoning and zoning procedure, planning processes, and the exercise of eminent domain. (Same as POL 482.)

DEPARTMENT:

Political Science & Sociology

LST485 - Local Government Law
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

POL485 - Local Government Law

Description

An undergraduate level study of basic standards of law pertaining to various forms of local government, including municipalities, counties, special districts, public authorities, and school districts. (Same as POL 485.)

DEPARTMENT:

Political Science & Sociology

LST488 - Cooperative Education/Internship

CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. Six hours of the LST courses must be completed at MSU. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

LST minor with a junior or senior standing and overall GPA of 2.5; LST 240, 300, and 310 with a GPA of 2.8; permission of chair

DEPARTMENT:

Political Science & Sociology

LST489 - Cooperative Education/Internship

CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. Six hours of the LST courses must be completed at MSU. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

LST minor with a junior or senior status and an overall GPA of 2.5; completed LST 240, 300, and 310 with a GPA of 2.8; permission of chair

DEPARTMENT:

Political Science & Sociology

LST495 - Special Problems
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Supervised readings or research in selected subjects designed to supplement regular course offerings. At least six hours of the LST courses must be completed at MSU.

Prerequisites

LST minor with senior status and an overall GPA of 3.0; completed at least 12 hours in LST courses including LST 240, 300, and 310 with a GPA of 3.0; permission of chair

DEPARTMENT:

Political Science & Sociology

MAT: Mathematics and Statistics

MAT095 - Fundamental Mathematics
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Basic operations as they pertain to integers, fractions, decimals, and percentages. Applied problems will include topics in geometry. This course is no longer offered at Murray State University, and credit earned previously in this course or credit transferring in as this course cannot be counted toward graduation requirements and cannot be used to fulfill University Studies requirements.

DEPARTMENT:

Mathematics and Statistics

MAT096 - Introductory Algebra
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to roots, exponents, and polynomials; linear and quadratic equations; factoring; graphing; systems of equations and inequalities with applications using these concepts. This course is no longer offered at Murray State University, and credit earned previously in this course or credit transferring in as this course cannot be counted toward graduation requirements and cannot be used to fulfill University Studies requirements.

DEPARTMENT:

Mathematics and Statistics

MAT097 - Intermediate Algebra
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Algebraic expressions, exponents, linear and quadratic equations, graphing, systems of equations, inequalities, and mathematical modeling. This course is no longer offered at Murray State University, and credit earned previously as this course or credit transferring in as this course cannot be counted toward graduation requirements and cannot be used to fulfill University Studies requirements.

DEPARTMENT:

Mathematics and Statistics

MAT100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Required for all entering freshmen. Graded pass/fail. (Fall)

DEPARTMENT:

Mathematics and Statistics

MAT110 - Problem Solving in Mathematics
CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

Problem solving course with an emphasis on real numbers, operations, algebra, and functions geared towards students in fields related to science, technology, or health. Those interested in a course involving general problem solving should take MAT 117. Students with an ACT math standard score of 21 or higher may not register for this course.

DEPARTMENT:

Mathematics and Statistics

MAT115 - Mathematics for Middle and Elementary Teachers
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Development of the real number system with arithmetic and basic ideas of algebra. A course specifically designed for the needs of future elementary and middle school teachers. Cannot be used for university studies requirements.

Prerequisites

MAT 140 or MAT 117 and consent of instructor for those whose program of study does not require MAT 140

DEPARTMENT:

Mathematics and Statistics

MAT117 - Mathematical Concepts
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Provides students with problem-solving skills and literacy related to the mathematics which is commonly encountered in our society. Topics can include problem solving, descriptive statistics, personal finance, voting methods, elementary probability, and graph theory. This course is especially appropriate for students whose degree programs do not otherwise require a course in mathematics.

Prerequisites

ACT math standard score of at least 19 or a satisfactory score on a placement exam or MAT 096 equivalent; students meeting none of these prerequisites must register for a supplemental tutorial component

DEPARTMENT:

Mathematics and Statistics

MAT130 - Technical Math I
CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

Topics from algebra and trigonometry for the technology student. Restriction: A student may not receive credit for MAT 130 and 140 or 145 or 150.

Prerequisites

ACT math standard score of at least 21 or a satisfactory score on a placement exam or MAT 110 with a minimum grade of C or MAT 097 equivalent

DEPARTMENT:

Mathematics and Statistics

MAT140 - College Algebra
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Course develops and extends the student's basic algebra concepts and problem-solving skills in the context of functions, models, and applications. Topics include exponents and radicals, graphing, setting up and solving equations in linear, quadratic, and other forms, systems of equations, and operations on functions. Properties and applications of linear, quadratic, polynomial, rational, exponential, and logarithmic functions are studied. A student may not receive credit for MAT 140 and 130 or 150. (MAT 140 combination with MAT 145 will substitute for MAT 150.)

Prerequisites

ACT math standard score of at least 21 or a satisfactory score on a placement exam or MAT 097; students with an ACT math standard score of 19 or 20 or MAT 110 with a minimum grade of C or better must register for a corequisite section

DEPARTMENT:

Mathematics and Statistics

MAT145 - Trigonometry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is a study of plane trigonometry. Topics include angles, right triangle trigonometry, trigonometric functions and their graphs, identities, solving trigonometric equations, and applications of trigonometry. A student may not receive credit for MAT 145 and MAT 130 or 150. (MAT 145 in combination with MAT 140 will substitute for MAT 150.)

Prerequisites

ACT math standard score of at least 21 or a satisfactory score on a placement exam or MAT 110 with a minimum grade of C or MAT 097 equivalent

DEPARTMENT:

Mathematics and Statistics

MAT150 - Algebra and Trigonometry
CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

Course is an intensive study of college algebra and trigonometry. A combination of MAT 140 and MAT 145, it is a faster-paced course for students with some familiarity with the subjects. MAT 150 may be used as a 'refresher' course to help prepare students for MAT 250. Restriction: A student who receives credit for MAT 150 may not receive credit for MAT 130, 140 or 145. (Credit or the combination of MAT 140 and MAT 145 will substitute for MAT 150.)

Prerequisites

ACT math standard score of at least 23

DEPARTMENT:

Mathematics and Statistics

MAT215 - Mathematics for Middle and Elementary Teachers II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Geometry, measurements, probability and statistics for elementary and middle school teachers. Cannot be used for university studies requirements.

Prerequisites

MAT 117 or MAT 140 and consent of instructor for those whose program of study does not require MAT 140

DEPARTMENT:

Mathematics and Statistics

MAT220 - Business Calculus
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to calculus and its applications for students in various fields of business. Primary emphasis is on differential calculus.

Prerequisites

MAT 140 or math ACT score of at least 23

DEPARTMENT:

Mathematics and Statistics

MAT230 - Technical Math II
CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

Analytic geometry, differential and integral calculus with applications from technical fields.

Prerequisites

MAT 130 or ACT math standard score of at least 24

DEPARTMENT:

Mathematics and Statistics

MAT250 - Calculus and Analytic Geometry I
CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

First course in calculus develops main ideas of differentiation and integration of single-variable functions. Topics include limits, continuity, techniques of differentiation, graphing techniques, definite and indefinite integral, basic integration methods, and applications of the derivative and integral to natural and social sciences.

Prerequisites

ACT math standard score of at least 26 or MAT 150 with a minimum grade of C, or MAT 140 and 145 with a minimum grade of C in MAT 145

DEPARTMENT:

Mathematics and Statistics

MAT305 - Intermediate Geometry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Selected elementary topics in Euclidean geometry. Includes studies in parallelism, similarity, congruence, areas, volumes, elementary transformation, and coordinate geometry. Intended for students seeking middle school certification.

Prerequisites

MAT 115 or 215

DEPARTMENT:

Mathematics and Statistics

MAT308 - Calculus and Analytic Geometry II

CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

A continuation of MAT 250, this course further develops techniques and applications of integration and is an introduction to sequences and series. Topics include integration strategies, computing areas and volumes, arc length, parametric curves, polar coordinates, sequences and series, tests for convergence of series, power series, and Taylor series.

Prerequisites

MAT 250 with a minimum grade of C

DEPARTMENT:

Mathematics and Statistics

MAT309 - Calculus and Analytic Geometry III

CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Course develops main ideas of differentiation and integration of functions of several variables and introduces vector calculus. Topics include vectors, analytic geometry of 3-dimensional space, functions of several variables, partial derivatives, directional derivatives, integrals of functions of two and three variables, vector fields, line integrals, Green's theorem, and the divergence theorem.

Prerequisites

MAT 308 with a minimum grade of C

DEPARTMENT:

Mathematics and Statistics

MAT312 - Mathematical Reasoning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to improve the students understanding of the nature and methods of mathematical proof by means of practice and participation. The content will include mathematical logic, set theory, relations and functions, cardinality, axiomatic structures, techniques of proof, and extensive practice in proof and problem solving. Credit cannot be received for both MAT 312 and 399. The department recommends a student take this course in his/her sophomore year in the program.

Prerequisites

MAT 308

DEPARTMENT:

Mathematics and Statistics

MAT330 - Technical Math III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continuation of MAT 230. Includes differentiation and integration of transcendental functions, series expansions of functions, and differential equations.

Prerequisites

MAT 230

DEPARTMENT:

Mathematics and Statistics

MAT335 - Matrix Theory and Linear Algebra
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The algebra of matrices and its application to problems in Euclidean spaces and elementary linear transformations.

Prerequisites

MAT 308

DEPARTMENT:

Mathematics and Statistics

MAT338 - Ordinary Differential Equations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

First-order differential equations, linear equations with constant coefficients, linear and nonlinear systems of equations.

Prerequisites

MAT 308 with a minimum grade of C

DEPARTMENT:

Mathematics and Statistics

MAT399 - Sets, Logic and Functions
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An investigation of mathematical reasoning including techniques of mathematical exploration, problem-solving and proof. Intended for students seeking Middle School Certification. Does not count toward a major or minor in mathematics and credit cannot be received for both MAT 299 and MAT 399.

Prerequisites

MAT 250

DEPARTMENT:

Mathematics and Statistics

MAT421 - Introduction to Algebraic Structures
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An elementary study of the major structures in modern algebra including groups, rings, fields and integral domains.

Prerequisites

MAT 308 and 312

DEPARTMENT:

Mathematics and Statistics

MAT430 - Explorations of Mathematics
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A guided investigation of selected topics in mathematics. May be repeated for a maximum of six hours of credit.

Prerequisites

MAT 308 with a mathematics GPA of at least 3.0

DEPARTMENT:

Mathematics and Statistics

MAT440 - Mathematics Transforms with Applications
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Integral and discrete transforms, such as Laplace and Fourier transforms, and the z-transform. Power series solutions and special functions.

Prerequisites

MAT 338

DEPARTMENT:

Mathematics and Statistics

MAT442 - Introduction to Numerical Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Taylor polynomial approximation, numerical root finding methods and fixed-point iteration, polynomial and spline interpolation, numerical differentiation and integration, and direct methods for the solutions of linear systems.

Prerequisites

MAT 308

DEPARTMENT:

Mathematics and Statistics

MAT460 - Principles of Biomathematics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

BIO460 - Principles of Biomathematics

Description

The study of biological and mathematical models is united in this research-based course. A variety of quantitative biological models and their underlying mathematics are studied, with an emphasis on population dynamics and evolutionary biology. Students engage in research and communicate thier results. Laboratory experiences and short-distance field trips are required. Only one of MAT 460 and 461 may count as a limited elective for the mathematics major. (Same as BIO 460.)

Prerequisites

BIO 216 and MAT 250

DEPARTMENT:

Mathematics and Statistics

MAT461 - Biomathematics in the Biomedical Sciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

BIO461 - Biomathematics in Biomedical Sciences

Description

A variety of quantitative biological models and their underlying mathematics are studied, with an emphasis on epidemiology, genetics, and physiology. Students engage in research and communicate their results. Laboratory experiences and short-distance field trips are required. Only one of MAT 460 or MAT 461 may count as a limited elective for the mathematics major. (Same as BIO 461.)

Prerequisites

MAT 250 and BIO 216

DEPARTMENT:

Mathematics and Statistics

MAT488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Mathematics and Statistics

MAT489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of chair

DEPARTMENT:

Mathematics and Statistics

MAT500 - Internship
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Graded pass/fail.

DEPARTMENT:

Mathematics and Statistics

MAT506 - Mathematical Modeling I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of mathematical models used in the social, life and management sciences and their role in explaining and predicting real world phenomena. The emphasis is on developing skills of model building. Topics include difference equations, perturbation theory and non-dimensional analysis.

Prerequisites

MAT 338

DEPARTMENT:

Mathematics and Statistics

MAT507 - Mathematical Modeling II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of topics discussed in MAT 501. A term project consisting of a model of a non-mathematical problem is required.

Prerequisites

MAT 506

DEPARTMENT:

Mathematics and Statistics

MAT508 - Introduction to Combinatorics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Selected topics and applications from combinatorics and discrete mathematics, which can include: enumeration, generating functions, recurrence relations, partially ordered sets, Boolean algebras, block designs, coding theory, and other topics.

Prerequisites

MAT 308 and either MAT 312 or MAT 335

DEPARTMENT:

Mathematics and Statistics

MAT512 - Partial Differential Equations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Partial differential equations of first and second order and applications.

Prerequisites

MAT 309 and 338

DEPARTMENT:

Mathematics and Statistics

MAT513 - Modern Algebra I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth study of groups. Topics will include permutation groups, cyclic groups, cosets and factor groups, subgroups and normal groups, and the homomorphism theorems. Some introductory discussions of rings and fields will be included as well.

Prerequisites

MAT 308 and 312

DEPARTMENT:

Mathematics and Statistics

MAT514 - Modern Algebra II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth study of rings and fields. Topics will include the Isomorphism Theorems, ideals, polynomial rings, integral domains, fields, field extensions.

Prerequisites

MAT 513

DEPARTMENT:

Mathematics and Statistics

MAT515 - Theory of Numbers
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Divisibility, the Euclidean algorithm, mathematical induction, prime and composite numbers, Diophantine equation, Pythagorean triplets, Fermat's Theorem, congruencies, quadratic residues, continued fractions.

Prerequisites

MAT 312

DEPARTMENT:

Mathematics and Statistics

MAT516 - Introduction to Topology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Set theory, topology of the real line, topological spaces, metric spaces.

Prerequisites

MAT 309 and 312

DEPARTMENT:

Mathematics and Statistics

MAT517 - Foundations of Geometry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of postulate systems for geometry, critical examination of Euclid's Elements, introduction to non-Euclidean geometry.

Prerequisites

MAT 309

DEPARTMENT:

Mathematics and Statistics

MAT518 - Introduction to Graph Theory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course develops an understanding of the fundamental concepts of graph theory. Selected topics will include trees, distance problems, matchings, connectivity, coloring, planarity, and Hamiltonian cycles.

Prerequisites

MAT 312

DEPARTMENT:

Mathematics and Statistics

MAT522 - Vector Calculus
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Operations with vectors; differentiation and integration of functions of several variables; transformation of coordinates; line and surface integrals; Green's, Stokes's, and the divergence theorems.

Prerequisites

MAT 309

DEPARTMENT:

Mathematics and Statistics

MAT523 - Introduction Complex Variables
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Complex numbers, analytic functions, elementary functions, integration, Cauchy theorem, Taylor and Laurent expansions, and applications.

Prerequisites

MAT 309

DEPARTMENT:

Mathematics and Statistics

MAT524 - Boundary Value Problems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Analytic and computational techniques for linear first and second order partial differential equations, initial, and boundary value problems. Classification, Fourier series, separation of variables, finite difference and/or finite element methods.

Prerequisites

MAT 309, 335, and 338

DEPARTMENT:

Mathematics and Statistics

MAT525 - Advanced Calculus I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A rigorous development of one variable calculus including limits, continuity, differentiation, integration and sequences of functions.

Prerequisites

MAT 309 and 312

DEPARTMENT:

Mathematics and Statistics

MAT526 - Advanced Calculus II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of MAT 525 and functions of several variables.

Prerequisites

MAT 525

DEPARTMENT:

Mathematics and Statistics

MAT528 - Introduction to Game Theory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

In this introductory course, we investigate mathematical models of certain conflict and cooperation situations (games), paying attention to applications in biology, philosophy, political science, economics, and social psychology. We study two-person zero-sum games, two-person non-zero-sum games, and/or other multi-player games. We consider pure and mixed strategy solutions, Nash equilibria, and other aspects of such games.

Prerequisites

MAT 250

DEPARTMENT:

Mathematics and Statistics

MAT530 - Special Topics in Mathematics I
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Library investigations of various lengths concerning special topics in mathematics. Periodic conferences will be arranged with the supervising faculty member on an individual basis. May be repeated for credit as different topics are offered.

Prerequisites

Six hours of mathematics courses numbered 400 and above with a mathematics GPA of at least 3.0

DEPARTMENT:

Mathematics and Statistics

MAT531 - Special Topics in Mathematics II
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Library investigations of various lengths concerning special topics in mathematics. Periodic conferences will be arranged with the supervising faculty member on an individual basis. May be repeated for credit as different topics are offered.

Prerequisites

Six hours of mathematics courses numbered 400 and above with a mathematics GPA of at least a 3.0

DEPARTMENT:

Mathematics and Statistics

MAT535 - Linear Algebra
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Linear transformations, matrices, quadratic and hermitian forms, eigenvalues and elementary spectral theory.

Prerequisites

MAT 335

DEPARTMENT:

Mathematics and Statistics

MAT538 - Ordinary Differential Equations II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Systems of differential equations (including matrix based solutions), higher order differential equations, series solutions to differential equations, numerical applications, and stability analysis.

Prerequisites

MAT 335 and MAT 338

DEPARTMENT:

Mathematics and Statistics

MAT542 - Numerical Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Numerical solutions of differential equations, iterative techniques for solving linear systems, discrete least-squares methods, orthogonal polynomials, and approximating eigenvalues. Requires knowledge of a scientific programming language.

Prerequisites

MAT 338 and MAT 442

DEPARTMENT:

Mathematics and Statistics

MAT543 - Financial Mathematics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course develops an understanding of the fundamental concepts of financial mathematics. Concepts will be applied in calculating present and accumulated values for various streams of cash flows for future use in reserving, valuation, pricing, asset/liability management, investment income, capital budgeting, and contingencies.

Prerequisites

MAT 308

DEPARTMENT:

Mathematics and Statistics

MAT545 - Boolean Algebra with Applications to Digital Computer Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Boolean algebra is developed as a model to study various physical systems, including the algebra of subsets of a set, propositional logic, and switching circuits.

DEPARTMENT:

Mathematics and Statistics

MAT550 - Teaching Mathematics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the 'whys' of mathematics with the aim of equipping future/current teachers with the ability to explain rather than merely do mathematics. Taught in the context of theories of learning and pedagogy. Involves mathematics content taught at the secondary and community college level. Credit granted toward an undergraduate major or minor in mathematics only for those students following a teacher certification program.

Prerequisites

MAT 312

DEPARTMENT:

Mathematics and Statistics

MAT551 - Mathematics for Teachers
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Explorations of mathematical topics from the viewpoint of future/current secondary and community college teachers of mathematics. Gives credit toward an undergraduate major or minor in mathematics only for those students following a teacher certification program. Can be taken without MAT 550.

Prerequisites

MAT 312

DEPARTMENT:

Mathematics and Statistics

MAT555 - Probability in the Actuarial Sciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course develops knowledge of the fundamental probability tools for quantitatively assessing risk. The application of these tools to problems encountered in actuarial science is emphasized.

Prerequisites

MAT 309 and STA 540

DEPARTMENT:

Mathematics and Statistics

MAT570 - Linear Programming
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Theory and application of linear programming and the role it plays in operations research.

Prerequisites

MAT 335

DEPARTMENT:

Mathematics and Statistics

MAT606 - Mathematical Modeling I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of mathematical models used in the social, life and management sciences and their role in explaining and predicting real world phenomena. The emphasis is on developing skills of model building. Topics include difference equations, perturbation theory and non-dimensional analysis.

Prerequisites

MAT 338

DEPARTMENT:

Mathematics and Statistics

MAT607 - Mathematical Modeling II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A continuation of topics discussed in MAT 606. A term project consisting of a model of a non-mathematical problem is required.

Prerequisites

MAT 506 or MAT 606

DEPARTMENT:

Mathematics and Statistics

MAT608 - Introduction to Combinatorics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Selected topics and applications from combinatorics and discrete mathematics, which can include: enumeration, generating functions, recurrence relations, partially ordered sets, Boolean algebras, block designs, coding theory, and other topics.

Prerequisites

MAT 308 and either MAT 312 or MAT 335

DEPARTMENT:

Mathematics and Statistics

MAT613 - Modern Algebra I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth study of groups. Topics will include permutation groups, cyclic groups, cosets and factor groups, subgroups and normal groups, and the homomorphism theorems. Some introductory discussions of rings and fields will be included as well.

Prerequisites

MAT 308 and 312

DEPARTMENT:

Mathematics and Statistics

MAT614 - Modern Algebra II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth study of rings and fields. Topics will include the Isomorphism Theorems, ideals, polynomial rings, integral domains, fields, field extensions.

Prerequisites

MAT 513 or 613

DEPARTMENT:

Mathematics and Statistics

MAT615 - Theory of Numbers
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Divisibility, the Euclidean algorithm, mathematical induction, prime and composite numbers, Diophantine equation, Pythagorean triplets, Fermat's Theorem, congruencies, quadratic residues, continued fractions.

Prerequisites

MAT 312

DEPARTMENT:

Mathematics and Statistics

MAT616 - Introduction of Topology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Set theory, topology of the real line, topological spaces, metric spaces.

Prerequisites

MAT 309 and 312

DEPARTMENT:

Mathematics and Statistics

MAT617 - Foundations of Geometry
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study of postulate systems for geometry, critical examination of Euclid's Elements, introduction to non-Euclidean geometry.

Prerequisites

MAT 309

DEPARTMENT:

Mathematics and Statistics

MAT618 - Introduction to Graph Theory
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course develops an understanding of the fundamental concepts of graph theory. Selected topics will include trees, distance problems, matchings, connectivity, coloring, planarity, and Hamiltonian cycles.

Prerequisites

MAT 312

DEPARTMENT:

Mathematics and Statistics

MAT623 - Introduction to Complex Variables
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Complex numbers, analytic functions, elementary functions, integration, Cauchy theorem, Taylor and Laurent expansions, and applications.

Prerequisites

MAT 309

DEPARTMENT:

Mathematics and Statistics

MAT624 - Boundary Value Problems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Analytic and computational techniques for linear first and second order partial differential equations, initial, and boundary value problems. Classification, Fourier series, separation of variables, finite difference and/or finite element methods.

Prerequisites

MAT 309, 335, and 338

DEPARTMENT:

Mathematics and Statistics

MAT625 - Advanced Calculus I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A rigorous development of one variable calculus including limits, continuity, differentiation, integration and sequences of functions.

Prerequisites

MAT 309 and 312

DEPARTMENT:

Mathematics and Statistics

MAT626 - Advanced Calculus II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A continuation of MAT 625 and functions of several variables.

Prerequisites

MAT 525 or 625

DEPARTMENT:

Mathematics and Statistics

MAT628 - Introduction to Game Theory
CREDITS:

3

COURSE LEVEL:

Graduate

Description

In this introductory course, we investigate mathematical models of certain conflict and cooperation situations (games), paying attention to applications in biology, philosophy, political science, economics, and social psychology. We study two-person zero-sum games, two-person non-zero-sum games, and/or other multi-player games. We consider pure and mixed strategy solutions, Nash equilibria, and other aspects of such games.

Prerequisites

MAT 250

DEPARTMENT:

Mathematics and Statistics

MAT630 - Real Number System I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Development of the natural numbers and the integers. (This course does not offer graduate credit for those people seeking a master of science degree in mathematics, chemistry or physics, or a master of arts degree in mathematics.)

DEPARTMENT:

Mathematics and Statistics

MAT631 - Real Number System II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A detailed development of the rational and real numbers. (This course does not offer graduate credit for those people seeking a master of science degree in mathematics, chemistry, or physics, or a master of arts degree in mathematics.)

DEPARTMENT:

Mathematics and Statistics

MAT632 - Foundations of Analysis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of concepts basic to the elementary calculus, such as limits continuity, the derivative, and the integral. (This course does not offer graduate credit to those people seeking a master of science degree in mathematics, chemistry, or physics, or a master of arts degree in mathematics.)

Prerequisites

MAT 309

DEPARTMENT:

Mathematics and Statistics

MAT635 - Linear Algebra
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Linear transformations, matrices, quadratic and hermitian forms, eigenvalues and elementary spectral theory.

Prerequisites

MAT 335

DEPARTMENT:

Mathematics and Statistics

MAT638 - Ordinary Differential Equations II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Systems of differential equations (including matrix based solutions), higher order differential equations, series solutions to differential equations, numerical applications, and stability analysis.

Prerequisites

MAT 335 and 338

DEPARTMENT:

Mathematics and Statistics

MAT642 - Numerical Analysis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Numerical solutions of differential equations, iterative techniques for solving linear systems, discrete least-squares methods, orthogonal polynomials, and approximating eigenvalues. Requires knowledge of a scientific programming language.

Prerequisites

MAT 338 and 442

DEPARTMENT:

Mathematics and Statistics

MAT643 - Financial Mathematics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course develops an understanding of the fundamental concepts of financial mathematics. Concepts will be applied in calculating present and accumulated values for various streams of cash flows for future use in reserving, valuation, pricing, asset/liability management, investment income, capital budgeting, and contingencies. (Note: Does not apply towards an M.A. in Mathematics degree; may be applied as a mathematics course in the M.A.T. in Mathematics degree. May not be taken as a component of a 700-level mathematics course.)

Prerequisites

MAT 308

DEPARTMENT:

Mathematics and Statistics

MAT644 - Graduate Cooperative Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

May be repeated to maximum of six credits. Graded pass/fail.

DEPARTMENT:

Mathematics and Statistics

MAT645 - Boolean Algebra with Applications to Digital Computer Design
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Boolean algebra is developed as a model to study various physical systems, including the algebra of subsets of a set, propositional logic, and switching circuits.

DEPARTMENT:

Mathematics and Statistics

MAT650 - Teaching Mathematics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the "whys" of mathematics with the aim of equipping future/current teachers with the ability to explain rather than merely do mathematics. Taught in the context of theories of learning and pedagogy. Involves mathematics content taught at the secondary and community college level.

Prerequisites

MAT 312

DEPARTMENT:

Mathematics and Statistics

MAT651 - Mathematics for Teachers
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Explorations of mathematical topics from the viewpoint of future/current secondary and community college teachers of mathematics. Can be taken without MAT 650.

Prerequisites

MAT 312

DEPARTMENT:

Mathematics and Statistics

MAT655 - Probability in the Actuarial Sciences
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course develops knowledge of the fundamental probability tools for quantitatively assessing risk. The application of these tools to problems encountered in actuarial science is emphasized. Does not count towards an M.A. in Mathematics degree.

Prerequisites

STA 540 or 640 and MAT 309

DEPARTMENT:

Mathematics and Statistics

MAT670 - Linear Programming
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Theory and application of linear programming and the role it plays in operations research.

Prerequisites

MAT 335

DEPARTMENT:

Mathematics and Statistics

MAT716 - Selected Topics in Topology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth study of selected topics introduced in MAT 616.

Prerequisites

MAT 516 or 616

DEPARTMENT:

Mathematics and Statistics

MAT721 - Algebra
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth study of group theory. Topics will include Lagrange's Theorem, Cauchy's Theorem, the Sylow Theorems, and factor groups.

Prerequisites

MAT 514 or 614

DEPARTMENT:

Mathematics and Statistics

MAT722 - Selected Topics in Algebra
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth study of selected topics introduced in MAT 614 and 721.

Prerequisites

MAT 721

DEPARTMENT:

Mathematics and Statistics

MAT723 - Selected Topics in Complex Analysis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An in-depth study of selected topics introduced in MAT 523.

Prerequisites

MAT 523 or 623

DEPARTMENT:

Mathematics and Statistics

MAT725 - Integration Theory
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Riemann integrals, continuous functions, functions of bounded variation, Riemann-Stieltjes integrals, and an introduction to Lebesgue measure.

Prerequisites

MAT 526 or 626

DEPARTMENT:

Mathematics and Statistics

MAT726 - Real Function Theory I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Lebesque measure and integration theory and related topics.

Prerequisites

MAT 725

DEPARTMENT:

Mathematics and Statistics

MAT727 - Real Function Theory II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Functional analysis, including Classical Banach spaces and Lp spaces.

Prerequisites

MAT 726

DEPARTMENT:

Mathematics and Statistics

MAT738 - Advanced Ordinary Differential Equations
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Existence and uniqueness of first-order initial value problems. Linear systems of differential equations. Boundary value problems. Stability of dynamical systems. Lyapunov's method. Periodicity of planar systems.

Prerequisites

MAT 625 and MAT 638

DEPARTMENT:

Mathematics and Statistics

MAT742 - Numerical Linear Algebra
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Consideration of topics in numerical linear algebra: the Singular Value Decomposition, QR Factorization, Conditioning and Stability, Advanced Iterative Methods.

Prerequisites

MAT 642

DEPARTMENT:

Mathematics and Statistics

MAT790 - Special Topics in Mathematics I
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Independent work on selected topics. May be repeated for credit.

DEPARTMENT:

Mathematics and Statistics

MAT791 - Special Topics in Mathematics II
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Independent work on selected topics. May be repeated for credit.

DEPARTMENT:

Mathematics and Statistics

MAT798 - Research and Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Mathematics and Statistics

MAT799 - Research and Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Mathematics and Statistics

MET: Manufacturing Engineering Technology

MET310 - Manufacturing Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will apply systematic computational analysis processes using manufacturing data to enhance process outcomes, quality, and manufacturing control systems. This course will teach students how to extract and interpret manufacturing data for critical business decisions and systems design.

Prerequisites

CSC 199 and STA 135

DEPARTMENT:

Institute of Engineering

MET320 - Manufacturing Control Systems
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course will cover the techniques of utilizing programmable logic controllers (PLCs) in the industrial environment and the study of sensors, interfacing to final outputs, controller principles and control loop characteristics used in manufacturing processes. Hardware aspects, programming techniques, and interfacing situations will be covered.

Prerequisites

Junior standing

DEPARTMENT:

Institute of Engineering

MET400 - Lean Manufacturing Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The planning, evaluation, deployment, and integration of lean manufacturing theory and methods. Emphasis will be placed on manufacturing processes/equipment and systems, such as: planning/control, product design, supply chain, and human resource management.

Prerequisites

Junior standing

DEPARTMENT:

Institute of Engineering

MET410 - Sustainability Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The purpose of the course is to examine industrial management as it relates to sustainability in correlation with lean manufacturing processes. It includes an overview of energy technology, energy resources, industrial energy management, and emerging future energy technologies coupled with social and environmentally related legislation and its effect on corporations' triple bottom line (people, profit, and planet).

Prerequisites

Junior standing

DEPARTMENT:

Institute of Engineering

MET440 - Quality Management Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Topics include verification, validation, quality assurance techniques and processes, methods, types of testing, creation of assurance systems, and international quality standards.

Prerequisites

STA 135 and MET 310

DEPARTMENT:

Institute of Engineering

MET450 - Systems Project Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides students with a comprehensive understanding of how to plan, optimize, and efficiently manage projects (or tasks) to implement products, services or developments. This includes building the structure, processes, components, and linkages with a team for successful project delivery within schedule, budget and quality requirements.

Prerequisites

Junior standing

DEPARTMENT:

Institute of Engineering

MET495 - Industrial Supervision
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth study of the qualities necessary in order for a frontline supervisor to be vigorous leader, an effective leader, a source of technical know-how and deft mediator between policy-setting management and the rank-and-file worker. (Fall)

Prerequisites

Junior standing

DEPARTMENT:

Institute of Engineering

MGT: Management

MGT100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Management, Marketing and Business Administration

MGT350 - Fundamentals of Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The fundamental concepts, relationships and principles of managing organized activities are studied. Special emphasis is given to human behavior in organized systems, with attention to the diverse workforce, interpersonal relations, group processes, and the philosophy for managing human resources effectively.

Prerequisites

Conditional or full admission to upper-level business courses or junior status

DEPARTMENT:

Management, Marketing and Business Administration

MGT354 - Techniques of Oral Reporting and Management Briefings
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Stresses basic principles of oral reporting with emphasis upon informational speeches and special techniques of management briefings. Provides practice in preparation and use of visual aids and the conduct of briefings.

Prerequisites

Junior standing and MGT 350

DEPARTMENT:

Management, Marketing and Business Administration

MGT358 - Entrepreneurial Business Plan Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is devoted to the study of the entrepreneurial process including identifying opportunities, creating value, developing concepts and plans, attracting resources, building an organization, and managing growth.

Prerequisites

Junior standing; ACC 200 and MGT 350

DEPARTMENT:

Management, Marketing and Business Administration

MGT364 - Intro to Hospitality & Tourism
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

MKT364 - Introduction to Hospitality and Tourism

Description

Course will provide an overview of the hospitality and tourism industry related to lodging/accommodation, food service, and travel sectors. (Same as MKT 364.)

Prerequisites

MGT 350 and MKT 360

DEPARTMENT:

Management, Marketing and Business Administration

MGT370 - Sports Business
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will prepare students for managing sports-related businesses from a strategic perspective. The course provides the foundation for a variety of sports business careers by establishing the basic knowledge and skills needed and examining current trends and issues. It will focus on the unique qualities of the sports industry, which include service and product characteristics, individual and group behavior, and amateur and professional levels.

Prerequisites

MGT 350

DEPARTMENT:

Management, Marketing and Business Administration

MGT410 - Lodging Operations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

MKT410 - Lodging Operations

Description

Course will provide students with the basic principles of operating a lodging facility including housekeeping, food and beverage, front desk, and guest services. (Same as MKT 410.)

Prerequisites

MGT 364

DEPARTMENT:

Management, Marketing and Business Administration

MGT420 - Entrepreneurial Strategic Growth
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth study of the managing a growing business in a professional manner, while maintaining the entrepreneurial spirit. Subject matter includes measuring economic performance, obtaining management information for decision making, management control systems, short and long-term planning, capital funding, and condition that prevail in similar business environments.

Prerequisites

MGT 350 and MKT 360

DEPARTMENT:

Management, Marketing and Business Administration

MGT425 - Applied Organizational Sustainability
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course will provide an introduction to organizational sustainability from a STEM perspective to examine how economic, environmental, and societal factors influence strategic organizational decisions.

Prerequisites

MGT 350

DEPARTMENT:

Management, Marketing and Business Administration

MGT440 - Entrepreneurial Innovation and Creativity
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Focus is on the creative process and helps students develop creative solutions to a wide range of issues facing entrepreneurial firms. This course will encourage students to approach problems from a creative perspective and develop innovative solutions.

Prerequisites

MGT 350 and MKT 360

DEPARTMENT:

Management, Marketing and Business Administration

MGT445 - New Product Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course explores the process of bringing a new product or service to market. The course covers the entire process from the innovation front-end to market introduction. While the primary focus will be medium-sized and larger companies, consideration will be given to small and start-up companies.

Prerequisites

MGT 350

DEPARTMENT:

Management, Marketing and Business Administration

MGT488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Management, Marketing and Business Administration

MGT489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of chair

DEPARTMENT:

Management, Marketing and Business Administration

MGT490 - Entrepreneurial Consulting
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will develop the tools necessary to provide a meaningful consulting experience to an entrepreneurial business. Students in teams of three or four individuals will work with an assigned consulting client and provide value by creating a deliverable for the client.

Prerequisites

MGT 350, MKT 360 and senior standing

DEPARTMENT:

Management, Marketing and Business Administration

MGT499 - Senior Seminar
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Seminar for students of the Management and Marketing Department's programs with a primary focus on employment preparation and professional development. Recommended for students enrolled in their next-to-last undergraduate semester.

DEPARTMENT:

Management, Marketing and Business Administration

MGT550 - Human Resource Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Familiarizes the student with fundamental tools to effectively manage and motivate a diversified workforce. Included in this course is a study and analysis of the programs in human resource management including job analysis, job evaluation, selection and placement, testing and training, personnel services, and labor relations, as well as the current issues of globalization and the changing composition of the workforce.

Prerequisites

MGT 350

DEPARTMENT:

Management, Marketing and Business Administration

MGT551 - Organizational Behavior
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A field of study that investigates the impact that individuals, groups, and structure have on behavior within organizations, for the purpose of applying such knowledge toward improving an organization's effectiveness. May not be taken by M.B.A. students.

Prerequisites

MGT 350

DEPARTMENT:

Management, Marketing and Business Administration

MGT553 - Human Resource Selection
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process (attracting, selecting and placing candidates in positions) in contemporary organizations will be conducted. This will involve analyzing organizational environments and identifying the appropriate staffing strategies and policies, including an examination of the regulatory environment, cost analysis of human resources, and the statistics of personnel validation of screening devices, i.e. personnel testing, interviewing and biographical information.

Prerequisites

MGT 350

DEPARTMENT:

Management, Marketing and Business Administration

MGT554 - Managing a Diverse Workforce
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course involves a study of the cultural perspective and processes reflecting individual, work group, and organizational diversity in the work place. Specific issues this course will include are: prejudice and stereotypes; group and organizational factors affecting diversity; legal issues related to diversity; and global, cross-cultural and gender issues.

Prerequisites

MGT 350

DEPARTMENT:

Management, Marketing and Business Administration

MGT555 - Training and Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course examines the needs and characteristics of adult learners and the role of training and development as part of human resources in the business setting. The role of the trainer, the learner, needs assessment, methodologies, learning objectives, and measurement and evaluation techniques will be explored and practiced.

Prerequisites

Senior standing

DEPARTMENT:

Management, Marketing and Business Administration

MGT557 - International Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course covers the process of applying management concepts and techniques in a multinational environment and adapting management practices to different economic, political, and cultural environments.

Prerequisites

MGT 350

DEPARTMENT:

Management, Marketing and Business Administration

MGT558 - Advanced Topics in Human Resources
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course addresses the application of effective human resource management practices to the current business realities of the organization. Topics include: strategy and human resource management, mergers and acquisitions, human resource analytics, human resource information systems, and the use of social media and employee communications as human resource management tools.

Prerequisites

MGT 550

DEPARTMENT:

Management, Marketing and Business Administration

MGT559 - Compensation Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of basic considerations for successful wage and salary administration. Areas studied include job evaluation, employee evaluation and systems and plans of compensating employees.

Prerequisites

MGt 350

DEPARTMENT:

Management, Marketing and Business Administration

MGT570 - Organization Theories
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the major contemporary theories of organization with emphasis on such modern concepts as Management by Objectives and organization design.

Prerequisites

MGT 350

DEPARTMENT:

Management, Marketing and Business Administration

MGT572 - Organizational Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Studies approaches to organizational development, growth and renewal, with special emphasis on the organization's ability to adapt to its environment. Particular attention is paid to the process of planned change, the techniques used in organizational development, and the role of ethics in organizational change. May not be taken by M.B.A. students.

Prerequisites

MGT 350

DEPARTMENT:

Management, Marketing and Business Administration

MGT575 - Labor-Management Relations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of labor-management relations in the United States with emphasis on the structure and role of labor organizations, the collective bargaining functions and processes, and the philosophy and approaches essential to a successful relationship between labor and management institutions.

Prerequisites

MGT 350

DEPARTMENT:

Management, Marketing and Business Administration

MGT577 - Labor Law and Public Policy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Traces the development of the principles of labor law and labor legislation as well as their administration at the national, state and local levels in the United States. Uses administrative and court decisions and policy analysis to examine issues of current significance concerning labor relations.

Prerequisites

MGT 350

DEPARTMENT:

Management, Marketing and Business Administration

MGT580 - Seminar in Leadership
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Describes the nature and meaning of leadership in organizations, including the importance of effective leadership, knowledge of various leadership theories, and personal attributes associated with effective leaders. The course integrates leadership research findings with leadership application and skill development.

Prerequisites

MGT 350

DEPARTMENT:

Management, Marketing and Business Administration

MGT590 - Strategic Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course involves a study of the process of strategy formulation and implementation and the integration of the functional areas of the business into a concerted organizational effort. Case problems are used. Should be taken in the student's last semester. May not be taken by M.B.A. students.

Prerequisites

FIN 330, MGT 350, MKT 360, and senior standing

DEPARTMENT:

Management, Marketing and Business Administration

MGT595 - Special Problems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course consists of independent study of some managerial problem area. Periodic conferences will be arranged with the supervising faculty member on an individual basis.

DEPARTMENT:

Management, Marketing and Business Administration

MGT644 - Graduate Cooperative Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

May be repeated for a maximum of six credits. Cannot be used to meet M.B.A., M.P.A. or M.S. degree requirements. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Management, Marketing and Business Administration

MGT651 - Seminar in Organizational Behavior
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Defines organizations and managers' roles in those organizations, with special emphasis upon behavioral issues. Examines individual, group and organizational processes in light of the environment within which the organization functions. Special attention is given to managing in non-U.S. settings and the ethical problems faced in the managerial job.

DEPARTMENT:

Management, Marketing and Business Administration

MGT652 - Evolution of Management Thought
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The evolution of management theory in the United States with emphasis on modern concepts of organization. Selected readings and study reports on each of the major stages of development are required.

Prerequisites

MGT 350 or equivalent, or MKT 490

DEPARTMENT:

Management, Marketing and Business Administration

MGT653 - Seminar in Human Resource Staffing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course takes an in depth look at the process of acquiring, deploying, and retaining an effective workforce in the pursuit of such organizational outcomes as profitability, market share, customer satisfaction, and environment sustainability. The course examines staffing as the organizational function used to manage the organization's workforce through such systems as staffing strategy, HR planning, recruitment, selection, employment and retention.

Prerequisites

MGT 350 or equivalent, or MKT 490

DEPARTMENT:

Management, Marketing and Business Administration

MGT654 - Seminar in Human Resource Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course focuses on the strategic role of the human resource management system, processes, and practices to achieve organizational success. It emphasizes how organizations can use human resource management to develop the necessary levels of human capital to provide sustainable value to stakeholders. Consideration is given to both internal and external issues that influence the human resource management process.

Prerequisites

MGT 350 or equivalent, or MKT 490

DEPARTMENT:

Management, Marketing and Business Administration

MGT655 - Seminar in Organization Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the concepts, literature and implementation strategies of organization development. Emphasis is placed on the effective management of planned change, approaches to organization change, the evaluation of change efforts, and the role that organization development can play in international business.

Prerequisites

MGT 350 or equivalent, or MKT 490

DEPARTMENT:

Management, Marketing and Business Administration

MGT656 - Seminar in Strategic Management

CREDITS:

3

COURSE LEVEL:

Graduate

Description

This is the MBA capstone course in which the students must integrate all of the functional areas of business administration and analyze their impact on management policy and strategy decisions. Even though each student will bring knowledge of his or her area of specialization into the classroom, it is expected that the student will perform as a generalist rather than a specialist and as a practicing manager rather than an impartial researcher.

Prerequisites

FIN 602 and 18 hours of completed MBA coursework

DEPARTMENT:

Management, Marketing and Business Administration

MGT657 - Seminar in International Management

CREDITS:

3

COURSE LEVEL:

Graduate

Description

An interdisciplinary course examining issues in international business and management with a major focus on characteristics and challenges of international management involving business theory and practice, strategy and operations, human resource management and motivation, ethics and corporate social responsibility, workforce diversity, and cross-cultural perspectives on all these.

Prerequisites

MGT 350 or equivalent, or MKT 490

DEPARTMENT:

Management, Marketing and Business Administration

MGT658 - Advanced Topics in Human Resources
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course addresses the application of effective human resource management practices to the current business realities of the organization. Topics include: strategy and human resource management, mergers and acquisitions, downsizing and rightsizing, HR measurement, human resource information systems, and the use of social media and employee communications as human resource management tools. A student may not enroll if they have taken MGT 558.

Prerequisites

MGT 550 or MGT 654 or equivalen

DEPARTMENT:

Management, Marketing and Business Administration

MGT695 - Special Problems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course consists of independent study of some managerial problem areas. A weekly conference will be scheduled with the supervising faculty member on an individual basis.

Prerequisites

18 hours of graduate work in business and permission of instructor

DEPARTMENT:

Management, Marketing and Business Administration

MGT801 - Educational Entrepreneurship
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will prepare P-20 educational and community leaders to leverage problem-solving models with emerging technologies to energize, change, and improve their unit's capabilities and performance. Taught in collaboration with the College of Education, this course will develop leadership skills by drawing on business practices.

DEPARTMENT:

Management, Marketing and Business Administration

MID: Middle School Education

MID270 - Teaching and Learning in the Middle Grades
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to provide students in the middle school education with knowledge and experience critical for instruction of middle school students and management of middle school classrooms. Field experiences required.

Prerequisites

EDU 180 and 280

DEPARTMENT:

Adolescent, Career and Special Education

MID307 - Middle School Writing and Content Literacy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course focuses on teaching communication skills - listening, speaking, reading and writing within the subject matter fields subject matter fields as well as enhancing comprehension and vocabulary development - to middle school children.

Prerequisites

MID 342

DEPARTMENT:

Adolescent, Career and Special Education

MID342 - Middle Level Teaching Strategies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is an investigation of the skills of teaching that are applicable in the middle grades. The course will focus on understanding middle school concepts as specified by the American Middle Level Association; application of middle level teaching strategies through demonstrations and microteaching presentations; and coverage of classroom management strategies, discipline techniques, Charlotte Danielson Framework for Teachers, and formative/summative assessments appropriate for the middle level. Field experiences required.

Prerequisites

EDU 280

DEPARTMENT:

Adolescent, Career and Special Education

MID395 - Advanced Strategies of Teaching in the Middle Grades
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course is advanced application of the skills of teaching that are applicable in the middle grades. Emphasis placed on unit, lesson, and assessment design; and the application of teaching strategies in classroom settings. The course will also include in-depth coverage of classroom management strategies, discipline techniques, and curriculum development as a function of instruction. Field experiences required.

Prerequisites

MID 342 and admission to Teacher Education

DEPARTMENT:

Adolescent, Career and Special Education

MID421 - Middle School Student Teaching
CREDITS:

7 - 14

COURSE LEVEL:

Undergraduate

Description

Student teaching in the middle school should allow the individual to participate in the work and duties of the school that are generally expected of the classroom teacher. Student teachers will be supervised by a public school teacher as well as a university coordinator. This will be a 2-7 week assignment with students having experiences in both teaching specialization fields. Graded pass/fail. (Professional Semester)

Prerequisites

Admission to Teacher Education and Student Teaching

DEPARTMENT:

Adolescent, Career and Special Education

MID422 - Extended Practicum
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Course will provide opportunities for supervised direct involvement with classrooms in the public school setting. Students will implement strategies and procedures used in the education of middle grades learners. 130 hours of field experience required.

Prerequisites

MID 395 and admission to Teacher Education

DEPARTMENT:

Adolescent, Career and Special Education

MIL: Military Science

MIL100 - Physical Conditioning Lab
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This course provides the student an opportunity to participate and lead a military-style physical fitness program. Training is based on the Army Physical Fitness Test (APFT) and assists the student in developing a fit lifestyle. May be repeated for a maximum of ten credit hours. Graded pass/fail. Open to all students.

DEPARTMENT:

Military Science

MIL101 - Introduction to the Army and Critical Thinking
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course introduces personal challenges and competencies that are critical for effective leadership and communication. Students will learn how the personal development of life skills such as cultural understanding, goal setting, time management, stress management, and comprehensive fitness relate to leadership, officership, and the Army profession. As they become further acquainted with MIL 101, they will learn the structure of the ROTC Basic Course Program consisting of MIL 101, 102, 201, 202, Fall and Spring Leadership Labs, and CIET. The focus is on developing basic knowledge and comprehension of Army leadership dimensions, attributes and core leader competencies, while gaining an understanding of the ROTC program, its purpose in the Army, and its advantages for the student.

DEPARTMENT:

Military Science

MIL102 - Introduction to the Profession of Arms
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course introduces professional challenges and competencies that are needed for effective execution of the profession of arms and Army communication. Through this course, students will learn how Army ethics and values shape the Army and the specific ways that these ethics are inculcated into Army culture. Additionally, students will explore the Seven Army Values, Warrior Ethos, and investigate the Profession of Arms and Army leadership as well as provide an overview of the Army, and gain practical experience using critical communication skills.

Prerequisites

MIL 101

DEPARTMENT:

Military Science

MIL201 - Leadership and Decision Making
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This is a course where the students will study, practice, and apply the fundamentals of Army leadership, officership, Army values and ethics, personal development, and small unit tactics at platoon level. They will be required to demonstrate writing skills and present information briefings as preparation for development in becoming successful future officers.

Prerequisites

MIL 102

DEPARTMENT:

Military Science

MIL202 - Army Doctrine and Team Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is primarily drawn from the Army Profession and Team Work ALA's. This is a course where the students will study, practice, and apply the fundamentals of leadership, officer skills, Army values and ethics, personal development, and tactics at the small unit level. They will be required to demonstrate writing skills and present information briefings as preparation for development in becoming successful future officers.

Prerequisites

MIL 201

DEPARTMENT:

Military Science

MIL210 - Leader's Training - Basic Cadet Summer Training
CREDITS:

6

COURSE LEVEL:

Undergraduate

Description

This is one of the army's two-year ROTC program entry points. Through this course, students without ROTC Basic course experience can examine the Army without incurring an obligation. This course is a substitute for MIL 101, 102, 201, and 202 and will qualify students for advanced course entry. The Army observes these students and determines their officer potential in a leadership-oriented, challenging, and motivating training program at Fort Knox, Kentucky. Graded pass/fail.

Prerequisites

Permission of instructor (student must meet academic and physical standards established by the Army)

DEPARTMENT:

Military Science

MIL301 - Training Management and the Warfighting Functions
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This is a course where the students will study, practice, and apply the fundamentals of Army leadership, officership, Army values and ethics, personal development, and small unit tactics at platoon level. At the conclusion of this course, they will plan, coordinate, navigate, motivate, and lead a squad and/or platoon in the execution of a mission during a classroom PE, a Leadership Lab, or a Leader Training Exercise (LTX).

Prerequisites

MIL 100 and 202

DEPARTMENT:

Military Science

MIL302 - Applied Leadership in Small Unit Operations
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This is a course where the students will continue to study, practice, and apply the fundamentals of Army leadership, officership, Army values and ethics, personal development, and small unit tactics at platoon level, building on the lessons from MIL 301. As in MIL 301, again at the conclusion of this course, they will plan, coordinate, navigate, motivate, and lead a squad and/or platoon in the execution of a mission during a classroom PE, a Leadership Lab, or a Leader Training Exercise (LTX).

Prerequisites

MIL 100 and 301

DEPARTMENT:

Military Science

MIL333 - Military History of the United States
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS333 - Military History of the United States

Description

This course is designed to give the student a multifaceted approach to the study of American military history from colonial times to the present day. Topics covered include the causes of war, methods of recruitment, military policies, and the effect of the industrial revolution and technology of war. Required for all military science students working toward a commission as an army officer.

DEPARTMENT:

Military Science

MIL401 - The Army Officer
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This is an academically challenging course where the students will study, practice, develop, and apply critical thinking skills pertaining to Army leadership, officer skills, Army values and ethics, personal development, and small unit tactics at platoon level. They will be assessed on the execution of a mission during a classroom PE, Leadership Lab, or during a Leader Training Exercise (LTX). They will receive systematic and specific feedback on their leader attributes, values, and core leader competencies from their instructor, Professor of Military Science, and other MSL IV Cadets using the Cadet Officer Evaluation Report (COER). At the conclusion of this course, they will be able to plan, coordinate, navigate, motivate, and lead a platoon in future operational environments. Successful completion of this course will assist in preparing for the BOLC B course and is a mandatory requirement for commissioning.

Prerequisites

MIL 100 and 302

DEPARTMENT:

Military Science

MIL402 - Company Grade Leadership
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This is an academically challenging course where the students will study, practice, develop, and apply critical thinking skills pertaining to Army leadership, officer skills, Army values and ethics, personal development, and small unit tactics at platoon level. This course includes a mid-term exam and a Capstone Exercise in place of the final exam. For the Capstone Exercise, they will be required to complete an Oral Practicum which will be evaluated on the student's knowledge of the 20 Army Warfighting Challenges (AWFC) covered throughout MIL 401 and 402 coursework. In addition, they will be assessed on leadership abilities during classroom PE, Leadership Labs, or Leader Training Exercises (LTX). Students will receive systematic and specific feedback on leader attributes, values, and core leader competencies from the instructor, Professor of Military Science, and other MSL IV cadets who will use the Cadet Officer Evaluation Report (COER). At the conclusion of this course, students will be able to plan, coordinate, navigate, motivate, and lead a platoon in future operational environments. Successful completion of this course will assist in preparing for the BOLC B course and is a mandatory requirement for commissioning.

Prerequisites

MIL 100 and 401

DEPARTMENT:

Military Science

MIL410 - Leader Development - Advanced Cadet Summer Training
CREDITS:

6

COURSE LEVEL:

Undergraduate

Description

Course is designed to develop leadership through an intensive summer field course of rotating leader/command roles, practical experience in problem analysis, decision making and troop leading while providing in-depth coverage of technical subjects at a military installation. Successful completion of this course is required for a U.S. Army commission. Prior to enrollment, the student must meet the physical and academic standards established by the army. Graded pass/fail.

Prerequisites

MIL 301 and 302

DEPARTMENT:

Military Science

MIL490 - Military Leadership Seminar
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Course is designed to enable the student to pursue independent study in selected areas of military science. Requires attendance at a three-day off-campus field training exercise. Course is repeatable for up to four hours credit.

Prerequisites

MIL 100

DEPARTMENT:

Military Science

MKT: Marketing

MKT100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Management, Marketing and Business Administration

MKT285 - Emerging Technologies in Marketing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course focuses on the new technologies that are currently shaping the world's economy and markets. It includes practical, hands-on instruction in these technologies, readings on their potential impact, discussion of appropriate strategies for exploiting them and a project which integrates multiple technologies in a business setting.

Prerequisites

Freshman or sophomore standing

DEPARTMENT:

Management, Marketing and Business Administration

MKT360 - Principles of Marketing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An integrated study of the interrelationship of marketing to the other primary functions of business through an analytical survey of problems related to product planning, pricing, promotion, channels of distribution, and legislation affecting marketing activity encountered in distributing goods and services to markets. Emphasis is on the role of the consumer.

Prerequisites

Conditional or full admission to upper-level business courses or junior standing

DEPARTMENT:

Management, Marketing and Business Administration

MKT361 - Selling and Sales Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A thorough study of the elements that contribute to success in the field of selling and sales management. In selling, attention will be given to researching and understanding the needs of business and retail customers, developing long-term relationships with customers, learning and applying the basic steps in the sales presentation, and negotiating with customers. Related to sales management, attention will be given to structuring and determining the appropriate size of the sales force, recruiting, selecting, motivating, compensating, training, evaluating salespeople, and supervising day-to-day sales operations.

Prerequisites

MKT 360 and junior standing

DEPARTMENT:

Management, Marketing and Business Administration

MKT362 - Food and Beverage Marketing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will examine food and beverage marketing along with the food chain, focusing primarily on the producer—retailer—consumer portion of the food chain. We will consider the roles of consumers, scientists, policy makers and food marketers while exploring (1) the food-marketing environment, (2) techniques used by food and beverage marketers, and (3) social, health and ethical issues relevant to the food chain and food marketing.

DEPARTMENT:

Management, Marketing and Business Administration

MKT364 - Introduction to Hospitality and Tourism
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

MGT364 - Intro to Hospitality & Tourism

Description

Course will provide an overview of the hospitality and tourism industry related to lodging/accommodation, food service, and travel sectors.

Prerequisites

MGT 350 and MKT 360

DEPARTMENT:

Management, Marketing and Business Administration

MKT369 - Retailing Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the fundamentals of successful retail store management and merchandising. Some of the topics discussed are store organization, location, layout, fixtures and equipment. Aspects of merchandise planning and control, buying, sales promotion and customer services are emphasized.

Prerequisites

MKT 360 and junior standing

DEPARTMENT:

Management, Marketing and Business Administration

MKT390 - Entrepreneurial Marketing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course examines the tools and activities entrepreneurial businesses can utilize to develop an effective marketing strategy, considering severe time, budget, and marketing information constraints. The course emphasizes understanding the important role that marketing plays in the entrepreneurial process.

Prerequisites

MKT 360 and junior standing

DEPARTMENT:

Management, Marketing and Business Administration

MKT396 - International Marketing Seminar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed to give participants a high exposure to the international environment and business practices outside the U.S. The seminar includes an intensive travel-study program in various European countries.

Prerequisites

Junior standing

DEPARTMENT:

Management, Marketing and Business Administration

MKT410 - Lodging Operations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

MGT410 - Lodging Operations

Description

Course will provide students with the basic principles of operating a lodging facility including housekeeping, food and beverage, front desk, and guest services.

Prerequisites

MGT 364

DEPARTMENT:

Management, Marketing and Business Administration

MKT460 - Integrated Marketing Communications
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course emphasizes the role of promotional tools, individually and collectively, in the marketing communications of an organization. Marketers practice integrated marketing communication, which is the coordination and integration of all marketing communication tools with the goal of creating a uniform brand image and reinforcing the impact of each tool. Students will learn about advertising, digital marketing, alternative marketing, sales promotion, database and direct marketing, and public relations. In class, students will engage in activities that allow them to put textbook knowledge into practice.

Prerequisites

MKT 360

DEPARTMENT:

Management, Marketing and Business Administration

MKT462 - Sales Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the managerial aspects of marketing, with special emphasis upon problems involved in determining markets; planning sales campaigns; selection, training and management of sales and service personnel; and control of sales operations.

Prerequisites

MKT 361

DEPARTMENT:

Management, Marketing and Business Administration

MKT463 - Consumer Behavior
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overall view of some of the basic perspectives of consumer behavior. An interdisciplinary approach will be stressed including the fields of economics, psychology, sociology and anthropology as they relate to marketing. Emphasis will be placed on the fundamental processes of motivation, perception and learning, as well as analysis of individual predispositions and group influences in marketing. May not be taken by M.B.A. students.

Prerequisites

MKT 360

DEPARTMENT:

Management, Marketing and Business Administration

MKT469 - Retail Merchandising
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A problem-solving course of tools used in buying, pricing, stock control, sales promotion, and expense control.

Prerequisites

MKT 369

DEPARTMENT:

Management, Marketing and Business Administration

MKT475 - Digital Marketing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Topics include elements of digital marketing activities, such as search engine optimization, search engine marketing, and social media, among others. Digital marketing tools used to create campaigns will be discussed as well as key performance indicators (KPIs) to evaluate the success.

Prerequisites

MKT 360

DEPARTMENT:

Management, Marketing and Business Administration

MKT488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Management, Marketing and Business Administration

MKT489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of chair

DEPARTMENT:

Management, Marketing and Business Administration

MKT490 - Survey of Management and Marketing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed for graduate students who have an inadequate background in marketing and management. Covers the same material covered in MKT 360 and MGT 350 or the equivalent. Not open to students who have credit for MKT 360 and MGT 350 or the equivalent.

DEPARTMENT:

Management, Marketing and Business Administration

MKT499 - Senior Seminar
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Seminar for students of the Managing and Marketing Department's programs with a primary focus on employment preparation and professional development. Recommended for students enrolled in their next-to-last undergraduate semester.

DEPARTMENT:

Management, Marketing and Business Administration

MKT564 - Marketing Channels
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The methods and processes used in the distribution of consumer and industrial products and services. Emphasis is on the way certain basic distribution functions are carried out in an integrated channel system. The role of a variety of manufacturers, wholesalers and retailers as parts of this system is analyzed.

Prerequisites

MKT 360

DEPARTMENT:

Management, Marketing and Business Administration

MKT565 - Marketing Research
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to research methods and procedures used in the marketing process. Areas given emphasis include sources of market data, sampling, surveys, interpretation of data and the relationship of market research to the policies and functions of the business enterprise.

Prerequisites

MKT 360 and senior standing

DEPARTMENT:

Management, Marketing and Business Administration

MKT566 - Marketing Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A problems course dealing with specialized marketing strategies for consumers as well as industrial markets, new product development, sales promotion, sales organization, and prices and pricing. Attention is given to marketing research as a determinant of policy. Cases are used extensively to emphasize analysis and decision-making.

Prerequisites

MKT 360 and senior standing

DEPARTMENT:

Management, Marketing and Business Administration

MKT567 - Marketing Planning and Strategy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to develop a comprehensive integrated knowledge of the broad field of marketing. The course will synthesize material presented in basic marketing; however, the major emphasis will be on systematic analytical problem-solving, and the dynamics of decision-making as faced by marketing management.

Prerequisites

MKT 360

DEPARTMENT:

Management, Marketing and Business Administration

MKT568 - Global Marketing Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This is the undergraduate capstone marketing course. It covers the practice of marketing in a global economy. Major topics include (1) multi-national environmental scanning, (2) marketing planning and strategy in a global context, (3) tactical international marketing decisions, (4) assessment of international market opportunities, and (5) ethical considerations in global marketing.

Prerequisites

MKT 360

DEPARTMENT:

Management, Marketing and Business Administration

MKT569 - Promotion Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of various promotional tools including social media, advertising, personal selling, sales promotion, public relations, and direct marketing. Emphasis is placed on the integrated use of these tools in the context of emerging technologies. The degree of emphasis placed on each tool is determined by the technological environment and the needs of the class.

Prerequisites

MKT 360

DEPARTMENT:

Management, Marketing and Business Administration

MKT578 - Social Media and Marketing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course addresses the role of social media in the marketing mix. Students will gain a working knowledge of various social media tools (e.g., Facebook, blogs, wikis, videos and video-sharing sites, podcasts and podcast sharing sites, online communities, online forums, etc.) and develop an understanding of how those tools can be integrated into the organization's marketing and promotion mixes.

Prerequisites

MKT 360

DEPARTMENT:

Management, Marketing and Business Administration

MKT579 - Social Media Consulting
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A hands-on learning experience in which advanced students assist organizations with integrating social media into their marketing efforts. Students should expect approximately one hour of lecture/discussion each week and five hours of project-based work which will be accomplished under the supervision of the course instructor. Much of the project-based consulting work will be conducted at the client organizations' facilities outside of the regularly scheduled class times.

Prerequisites

MKT 578

DEPARTMENT:

Management, Marketing and Business Administration

MKT585 - Location Analytics Marketing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Location Analytics combines traditional analysis of business data with Geographic Information Systems (GIS) technologies which enable the geospatial analysis of that data. This course focuses on the use of these technologies to core marketing analysis applications such as environmental scanning, market area analysis, international market assessment, site screening, customer profiling, segmenting, and targeting. In this course, students expand their knowledge of these technologies, enhance their skills in applying them to marketing applications and learn how to share these tools and resources across enterprises.

Prerequisites

MKT 360 or MKT 485

DEPARTMENT:

Management, Marketing and Business Administration

MKT595 - Special Problems
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

This course consists of independent study in some area of marketing. Periodic conferences will be arranged with the supervising faculty member on an individual basis.

DEPARTMENT:

Management, Marketing and Business Administration

MKT644 - Graduate Cooperative Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

May be repeated to a maximum of six credits. Cannot be used to meet M.B.A., M.P.A. or M.S. degree requirements. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Management, Marketing and Business Administration

MKT645 - Seminar in New Product Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course examines issues in innovation and new product development from a strategic marketing prospective. Not open to students who have completed MGT 445.

Prerequisites

MKT 667

DEPARTMENT:

Management, Marketing and Business Administration

MKT663 - Advanced Consumer Behavior
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course provides an overall view of some of the basic perspectives of consumer behavior, and the consumer decision process. Emphasis is placed on the contributions made to the understanding of consumer behavior from the behavior sciences of economics, sociology, psychology and anthropology. Not open to students who have completed MKT 463.

Prerequisites

MKT 667

DEPARTMENT:

Management, Marketing and Business Administration

MKT667 - Market Planning and Application
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is a study of marketing as the firm's strategic link with its customers in a global competitive environment. Major topics include (1) the development of marketing strategy, (2) the formulation of marketing plans, (3) the selection and implementation of marketing tactics, and (4) ethical considerations in marketing.

DEPARTMENT:

Management, Marketing and Business Administration

MKT669 - Seminar in Global Marketing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course covers the practice of marketing in the global economy. It develops students' abilities to engage in global marketing strategic planning, select appropriate entry strategies and develop responsive marketing tactics. It also enhances students' skills in using information technology resources, assessing world markets, analyzing ethical issues and communicating in writing. May not be taken for credit by students who have completed MKT 568.

Prerequisites

MKT 667

DEPARTMENT:

Management, Marketing and Business Administration

MKT675 - Seminar in Digital Marketing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course reflects the shift in marketing from traditional media to digital platforms such as those based on the Internet and mobile networks. Topics include digital marketing strategies as they relate to the elements of digital marketing, such as search engine marketing, social media marketing, and others. Digital marketing tools used to create campaigns will be discussed. Credit cannot be earned for MKT 475 and MKT 675.

Prerequisites

MKT 667

DEPARTMENT:

Management, Marketing and Business Administration

MKT685 - Seminar in Marketing Location Analytics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Location Analytics combines traditional analysis of business data with Geographic Information System (GIS) technologies which enable the geospatial analysis of that data. This course focuses on the use of these technologies to core marketing analysis applications such as environmental scanning, market area analysis, international market assessment, site screening, customer profiling, segmenting, and targeting. In this course, students expand their knowledge of these technologies, enhance their skills in applying them to marketing applications and learn how to share these tools and resources across enterprises. Students will also complete a customized Location Analytics research project for an external organization.

Prerequisites

MKT 360 or MKT 684

DEPARTMENT:

Management, Marketing and Business Administration

MKT695 - Special Problems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course consists of independent study in some area of marketing. Periodic conferences will be arranged with the supervising faculty member on an individual basis.

DEPARTMENT:

Management, Marketing and Business Administration

MUS: Music

MUS097 - Developmental Music Theory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A five-week course, for those planning to major or minor in music, providing instruction in reading pitches, simple meters, intervals and key signatures. All music majors or minors must take this course concurrently with MUS 170 unless they pass a music theory diagnostic examination. Credit earned in this course may not be counted toward graduation requirements. Graded pass/fail.

DEPARTMENT:

Music

MUS100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. The course is designed to provide information for the freshman music student about the academic and musical life of the music major. Emphasis will be placed upon university resources and services found on campus. Graded pass/fail.

DEPARTMENT:

Music

MUS101 - Recital Attendance and Assembly
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

All music majors are required to complete successfully six semesters of enrollment unless excused by department chair. Successful completion of the course is achieved by certified attendance at 13 approved recitals per semester and no more than one absence from scheduled assemblies. Graded pass/fail.

DEPARTMENT:

Music

MUS104 - Introduction to Jazz History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the many facets of jazz music. Designed to follow stylistic trends as jazz developed from nineteenth-century African and European influences to the modern forms of today. The study of significant composers, compositions, performers and terminology associated with this uniquely American musical form through listening assignments, reading and discussion activities.

DEPARTMENT:

Music

MUS105 - Introduction to Music History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Understanding and appreciation of music for the beginner. Designed to acquaint the student with the place music holds in heritage through studying and listening to great musical works; to acquaint the student with composers and the influence of history on their compositions; and to create the ability to understand and enjoy music in the world around us. A student cannot have credit for both this course and HON 162. Students who have passed MUS 381 may not take this course for credit.

DEPARTMENT:

Music

MUS106 - Music in Film
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will present a survey of the history of film music from the silent era to the present. Students will develop critical listening, viewing, and analytical skills in relation to music's function in film. For the viewing of complete films, extra meetings may be held on campus. Students will be expected to view current release films in a local theater.

DEPARTMENT:

Music

MUS107 - Introduction to the American Musical Theatre
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Student will explore in-depth the development of the American musical theatre through stylistic elements found in the standard repertoire. Representative works by individual and collaborative composer and librettist will be studied with special emphasis on innovative trends, perspectives and genres.

DEPARTMENT:

Music

MUS108 - Introduction to World Music
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The students will explore the development of World Music (both art and folk music) through stylistic elements found in the repertoire of many differing nations and cultures. Representative works by individual composers as well as traditional folk tunes by unnamed composers will be studied with special emphasis on innovative trends, perspectives, and genres.

DEPARTMENT:

Music

MUS109 - Musicianship I: Music Fundamentals
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Fundamentals of music will be taught as they affect music performance, music listening, and music understanding. Content will include pitch and rhythmic notation, scales, intervals, triads and their inversions, seventh chords, lead sheet symbols, roman numerals, basic aural training, and analytical procedures from common practice and popular repertoires. Students may not have credit for both this course and MUS 170.

DEPARTMENT:

Music

MUS110 - Musicianship II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of MUS 109. Content will include phrases and cadences, non-chord tones, voice leading, basic chromatic harmony including secondary chords and borrowed chords, and analytical procedures from common practice and popular repertoires. Aural training will build upon MUS 109 continuing with harmonic progressions and analysis of popular song form.

Prerequisites

MUS 109 with a minimum grade of C

DEPARTMENT:

Music

MUS111 - Musical Theatre Proficiency
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

This course will serve as an early proficiency for any Musical Theatre Major. Students may only attempt this proficiency twice and must pass before registering for 200-level courses. Students will present a class recital of various solo musical theatre repertoire. Students must pass to continue pursuing the Musical Theatre Major.

DEPARTMENT:

Music

MUS112 - Musical Theatre Production Practicum
CREDITS:

1

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

THD112 - Music Theatre Production Practicum

Description

Successful completion of the course requires participation at all musical theatre auditions during the semester enrolled and full completion of acting or crew assignments during the semester enrolled. May be repeated for a maximum of 4 credits.

Prerequisites

Musical Theatre major or minor

DEPARTMENT:

Music

MUS114 - Percussion Instruments Level I
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS115 - Wind Instruments Level I
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS116 - Organ Level I
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS117 - Piano Level I
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. This course requires a significant amount of formal instruction in piano and/or an audition with the piano faculty prior to enrollment. Participation in weekly piano studio classes may be required. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS118 - Strings Level I
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS119 - Voice Level I
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Participation in weekly vocal studio classes may be required. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS120 - Beginning Guitar
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Instruction for those with limited or no musical background. Note reading, strumming, and theory fundamentals are stressed. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS121 - Intermediate Guitar
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Student must be able to read music and have had previous class or private instruction. Credit will be given for as many semesters as taken.

Prerequisites

MUS 120

DEPARTMENT:

Music

MUS122 - Band: Community
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS123 - Introduction to Music Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is the initial course for all students seeking a degree in music education. It is designed to provide students with an introduction to the field of music education. Included are topics related to learning theories, curriculum, historical and philosophical foundations of music education, resources for teaching, and twentieth century developments in music education.

DEPARTMENT:

Music

MUS124 - Beginning Class Piano I
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Class instruction in piano for students with no, or very limited, musical experience.

Prerequisites

Major in music business (BS)

DEPARTMENT:

Music

MUS125 - Beginning Class Piano II
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A continuation of MUS 124.

Prerequisites

Major in music business (BS) and MUS 124 with a minimum grade of C

DEPARTMENT:

Music

MUS127 - Class Voice I
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to guide music business majors and non-music majors without prior vocal training, to develop effective and healthy vocal techniques through classical, musical theater, and other appropriate repertoire. Concert attendance will be required.

DEPARTMENT:

Music

MUS128 - Class Voice II
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A continuation of MUS 127, this course is designed to guide music business majors and non-music majors to develop effective and healthy vocal techniques through classical, musical theater, and other appropriate repertoire. Concert attendance will be required.

DEPARTMENT:

Music

MUS131 - Percussion Methods
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This class is designed to acquaint the music education major with percussion instruments and pedagogical techniques through participation.

DEPARTMENT:

Music

MUS132 - Woodwind Methods
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This class is designed to acquaint the music education major with woodwind instruments and pedagogical techniques through participation.

DEPARTMENT:

Music

MUS133 - String Methods
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This class is designed to acquaint the music education major with string instruments and pedagogical techniques through participation.

DEPARTMENT:

Music

MUS134 - Voice Methods
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Class designed to acquaint the music education major with the singing voice and pedagogical techniques through participation.

DEPARTMENT:

Music

MUS135 - Brass Methods
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This class is designed to acquaint the music education major with brass instruments and pedagogical techniques through participation.

DEPARTMENT:

Music

MUS136 - Fundamentals of Keyboard Accompanying
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Study of the basic principles of keyboard accompanying. Normally offered during the spring semester. Letter graded course. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS137 - Guitar Methods
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This class is designed to acquaint music education students with the guitar and pedagogical techniques through class discussion and participation. Prior experience on the guitar is required.

Prerequisites

MUS 120 or 121 and permission of the instructor

DEPARTMENT:

Music

MUS140 - Introduction to Composition
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The student will compose exercises and small-scale pieces that each focus on a particular style, instrumentation, or compositional technique. The course deals primarily with contemporary art music and the wide variety of musical languages and techniques exhibited therein. In most cases the student's creative work will be performed by other members of the class and discussed as a group. The course is repeatable for as many semesters as taken.

Prerequisites

Music major, MUS 170 and 171 with a minimum grade of C

DEPARTMENT:

Music

MUS148 - Commercial Guitar Seminar I
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The first course of a two-semester sequence of courses. The student will be introduced to the guitar fretboard through the study and performance of intervals, scales and chords.

Prerequisites

Permission of instructor

DEPARTMENT:

Music

MUS149 - Commercial Guitar Seminar II
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The second course of a two-semester sequence of courses. The student will learn performance skills and techniques required for ensemble and develop familiarity of the jazz and blues repertoire.

Prerequisites

MUS 148

DEPARTMENT:

Music

MUS150 - Instrumental Ensemble
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Small ensembles concentrating on chamber music literature. Emphasis will be placed upon developing chamber ensemble skills. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS151 - University Orchestra
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The ensemble will study and perform symphonic literature from a variety of style periods. Credit will be given for as many semesters as taken. Membership by audition.

DEPARTMENT:

Music

MUS152 - Marching Band
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The marching band prepares field performances for all home football games as well as selected away games and exhibitions. Credit will be given for as many semesters as taken. Membership open.

DEPARTMENT:

Music

MUS153 - Brass and Percussion Ensemble
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Designed to give brass and percussion players experience in the study and performance of large brass ensemble literature. Credit will be given for as many semesters as taken. Membership by audition.

DEPARTMENT:

Music

MUS154 - Wind Ensemble
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The wind ensemble develops an understanding of representative wind band literature through study and performance. Credit will be given for as many semesters as taken. Membership by audition.

DEPARTMENT:

Music

MUS155 - Jazz Ensemble
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The jazz ensemble develops an understanding of representative jazz styles and skills through study and performance. Credit will be given for as many semesters as taken. Membership by audition.

DEPARTMENT:

Music

MUS156 - Jazz Combo
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Concentration on development of improvisatory techniques through performance and listening skills. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS157 - Symphonic Band
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The symphonic band develops an understanding of representative concert band literature through study and performance. Credit will be given for as many semesters as taken. Membership open. Membership open.

DEPARTMENT:

Music

MUS158 - Concert Band
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The Concert Band develops an understanding of musical styles and skills through study and performance. Credit will be given for as many semesters as taken.

Prerequisites

Concert band skills on a wind or percussion instrument

DEPARTMENT:

Music

MUS160 - University Chorale
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

University Chorale is dedicated to the study and performance of a wide variety of choral literature from all the major stylistic periods and genres. The development of basic musical skills and proper vocal function is emphasized. Credit will be given for as many semesters as taken. Membership is open.

DEPARTMENT:

Music

MUS161 - Concert Choir
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Concert Choir is dedicated to the study and performance of the masterworks of choral literature from all periods, genres and styles. Credit will be given for as many semesters as taken. Membership is by audition.

DEPARTMENT:

Music

MUS162 - Chamber Singers
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The Chamber Singers study and perform a wide variety of choral literature from all periods, genres and styles with special attention to that body of work composed specifically for small vocal ensembles. Credit will be given for as many semesters as taken.

Prerequisites

Audition

Corequisites

MUS 160/360 or 161/361

DEPARTMENT:

Music

MUS163 - MSU Town and Gown Chorale
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Murray Choral Society is an ensemble comprised of students and community members and is dedicated to the study and performance of choral literature from all periods, genres, and styles. Credit will be given for as many semesters as taken. Membership is open.

DEPARTMENT:

Music

MUS164 - Opera Workshop
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Practical experience in a workshop situation of scenes from opera and/or musical theatre. Credit will be given for as many semesters as taken. Membership by audition.

DEPARTMENT:

Music

MUS166 - Women's Chorus
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This chorus is a non-auditioned ensemble and performs a wide variety of challenging repertoire from all of the major historical periods and styles.

DEPARTMENT:

Music

MUS167 - Racer Men's Chorus
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This chorus is a non-auditioned ensemble and performs a wide variety of challenging repertoire from all of the major historical periods and styles.

DEPARTMENT:

Music

MUS168 - A Cappella Vocal Ensemble
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This ensemble is auditioned at the start of each semester and performs a wide variety of challenging a cappella vocal repertoire.

DEPARTMENT:

Music

MUS170 - Theory I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The fundamentals of music through part-writing and analysis. Course content includes key signatures, scales, intervals, triads, and an introduction to figured bass. It is recommended that this course be taken concurrently with MUS 171 and 172.

DEPARTMENT:

Music

MUS171 - Aural Skills I
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

It offers a practical application of the materials studied in MUS 170 and provides the necessary drill in the skills of sight-singing and aural perception. It is recommended that this course be taken concurrently with MUS 170 and 172.

DEPARTMENT:

Music

MUS172 - Functional Keyboard I
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Class instruction in elementary level piano technique, functional keyboard skills and keyboard literature for music majors and minors. It is strongly recommended that this course be taken concurrently with MUS 170 and 171. MUS 172 may not be audited.

DEPARTMENT:

Music

MUS173 - Theory II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of MUS 170 emphasizing inversions of triads, the dominant-seventh chord, non-harmonic tones, and elementary modulations through part-writing, composition and analysis with and without figured bass. It is recommended that this course be taken concurrently with MUS 174 and 175.

Prerequisites

MUS 170 with a minimum grade of C

DEPARTMENT:

Music

MUS174 - Aural Skills II
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This course offers a practical application of the materials studied in MUS 173 and provides necessary drill in the skills of sight-singing and aural perception. It is recommended that this course be taken concurrently with MUS 173 and 175.

Prerequisites

MUS 171 with a minimum grade of C

DEPARTMENT:

Music

MUS175 - Functional Keyboard II
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A continuation of MUS 172. It is recommended that this course be taken concurrently with MUS 173 and 174. MUS 175 may not be audited.

Prerequisites

MUS 172 with a minimum grade of C

DEPARTMENT:

Music

MUS180 - Exploring the Music Education Profession
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course introduces aspiring teacher candidates to explore the music education profession. Students will engage in experiential learning activities including clinical observations and interaction in appropriate schools setting in K-12 music classes and school-sponsored performing ensemble classes. Candidates will actively explore the importance of professional identify, roles, and responsibilities; knowledge, skills and dispositions; student-centered practices; and students' developmental and cultural needs. Historical and philosophical foundations of music education, curriculum and lesson design, contemporary resources, best practices for music teaching and twentieth century developments in music education will be presented. By the end of this course, candidates will be able to decide for themselves if teaching music is their career choice. Clinical experiences required.

DEPARTMENT:

Music

MUS209 - Musicianship III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of MUS 110. Content will include advanced functional harmony, chromaticism, and modulation. Aural training includes all material from MUS 110 plus advanced functional harmonic progressions.

Prerequisites

MUS 110 with a minimum grade of C

DEPARTMENT:

Music

MUS210 - Musicianship IV
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of MUS 209. Content will include expanded tonality, extended chords (9th, 11th, and 13th chords), jazz harmony, tonality in popular idioms, and arranging techniques. Aural training includes those topics, plus material from MUS 209.

Prerequisites

MUS 209 with a minimum grade of C

DEPARTMENT:

Music

MUS212 - Voice and Diction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

THD210 - Voice and Diction

Description

Introduction to an organic and healthful approach to relaxation, breath support, vocal projection, and clarity of diction. (Same as THD 210.)

Prerequisites

THD 120

DEPARTMENT:

Music

MUS214 - Percussion Instruments Level II
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS215 - Wind Instruments Level II
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS216 - Organ Level II
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS217 - Piano Level II
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. This course requires a significant amount of formal instruction in piano and/or an audition with the piano faculty prior to enrollment. Participation in weekly piano studio classes may be required. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS218 - Strings Level II
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS219 - Voice Level II
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Participation in weekly vocal studio classes may be required. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS225 - English and German Diction for Singers
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A course designed to give voice majors rules for pronouncing sung English and sung German.

DEPARTMENT:

Music

MUS226 - French and Italian Diction for Singers
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A course designed to give voice majors rules for pronouncing sung French and sung Italian.

Prerequisites

MUS 225

DEPARTMENT:

Music

MUS230 - Introduction to the Music Industry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the various aspects of the music industry with emphasis on professional careers in the field.

DEPARTMENT:

Music

MUS231 - History and Analysis of American Popular Music
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An advanced course studying the evolution of popular music in America and its social context. Content will include formal analysis of nineteenth century popular songs, folk music, blues, "Tin Pan Alley," jazz, country, and various rock styles. Course will include units in the history of popular music in America (origins through present trends).

Prerequisites

MUS 110 with a minimum grade of C

DEPARTMENT:

Music

MUS232 - Survey of Record Company Operations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will build on the core industry knowledge of MUS 230, with an in-depth view of record companies and the recording industry.

Prerequisites

MUS 230

DEPARTMENT:

Music

MUS241 - Composition Level I
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

One 50-minute individual session per week. The student will compose one or more original compositions during the semester with the eventual goal of public performance. Credit will be given for as many semesters as taken.

Prerequisites

MUS 140 and permission of instructor

DEPARTMENT:

Music

MUS243 - Making Music with Your Laptop
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

In this course students will compose and improvise music on their laptop, creating ideas as an individual and in small groups.

DEPARTMENT:

Music

MUS246 - Music for Elementary Teachers
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will prepare elementary classroom teachers to integrate music into daily classroom instruction. Students will increase their skills in reading and performing music so that they will be able to make music with children, prepare to use music as a teaching tool with children, increase their knowledge of state and national standards in music education, and develop their understanding of the importance of music in the educational development of children.

Prerequisites

EDU 180

DEPARTMENT:

Music

MUS255 - Introduction to Music Therapy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the theory and practice of music therapy. The course includes an overview of several different approaches to music therapy with various clinical populations. Aspects of the dynamics between therapist, client, and music will be explored and experienced. Field experience required.

DEPARTMENT:

Music

MUS256 - Psychology of Music
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course focuses on the role of music in human life, issues and research findings regarding what makes music, and how human beings perceive and respond to musical sounds. Critical thinking and reflection on topics such as music preferences, musical performance, and listening to music are meant to encourage the student to identify the relationship between music and human behavior. This course is suitable for students who are curious about the influence of music on people. It is open to all students with or without musical training.

DEPARTMENT:

Music

MUS270 - Theory III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of MUS 173, emphasizing diatonic seventh chords, modulation types, secondary functions and chromaticism through composition and analysis. It is recommended that this course be taken concurrently with MUS 271 and 272.

Prerequisites

MUS 173 with a minimum grade of C

DEPARTMENT:

Music

MUS271 - Aural Skills III
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This course offers a practical application of the materials studied in MUS 270 and provides necessary drill in the skills of sight-singing and aural perception. It is recommended that this course be taken concurrently with MUS 270 and 272.

Prerequisites

MUS 174 with a minimum grade of C

DEPARTMENT:

Music

MUS272 - Functional Keyboard III
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Class instruction in intermediate level piano technique, functional keyboard skills and keyboard literature for music majors. It is strongly recommended that this course be taken concurrently with MUS 270 and 271. MUS 272 may not be audited.

Prerequisites

MUS 175 with a minimum grade of C

DEPARTMENT:

Music

MUS273 - Theory IV
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of MUS 270, emphasizing the Neapolitan and augmented-sixth chords, complex modulations and key schemes, extreme chromaticism, and an introduction to 20th century compositional practices through composition and analysis. It is recommended that this course be taken concurrently with MUS 274 and 275.

Prerequisites

MUS 270 with a minimum grade of C

DEPARTMENT:

Music

MUS274 - Aural Skills IV
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This course offers a practical application of the materials studied in MUS 273 and provides necessary drill in the skills of sight-singing and aural perception. It is recommended that this course be taken concurrently with MUS 273 and 275.

Prerequisites

MUS 271 with a minimum grade of C

DEPARTMENT:

Music

MUS275 - Functional Keyboard IV
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A continuation MUS 272. It is strongly recommended that this course be taken concurrently with MUS 273 and 274. MUS 275 may not be audited.

Prerequisites

MUS 272 with a minimum grade of C

DEPARTMENT:

Music

MUS280 - Educating for Human Development in the Music Classroom

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course addresses human development as a foundation for student learning across the lifespan, in addition to musical development. Candidates will develop a basis for creating developmentally appropriate educational practices and assessments in the music classroom. Emphasis will be placed on understanding the importance of building relationships, developing collaborative partnerships, and creating a culturally responsive, student-centered environment to meet all students' needs. Clinical experiences required.

DEPARTMENT:

Music

MUS301 - General Music Methods

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Fundamentals of music teaching are continued along with procedures for selecting materials, teaching musical concepts, and assessing progress in the musical growth and development of the student.

Prerequisites

EDU 180 and MUS 280 or equivalents with a minimum grade of B and admission to Teacher Education

Corequisites

MUS 380

DEPARTMENT:

Music

MUS302 - Choral Methods
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Methods, materials and pedagogy related to the teaching of choral music in the elementary, junior high/middle school and senior high school choirs. Required for all music education majors.

Prerequisites

MUS 134, 180, and 280, or equivalent, all with a minimum grade of B; junior standing; and admission to Teacher Education

Corequisites

SEC 420

DEPARTMENT:

Music

MUS303 - Instrumental Methods: Elementary and Middle School
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Methods, materials and pedagogy related to the teaching of instrumental music in the elementary and middle schools will be studied. Students must be of junior standing and completion of instrument techniques courses is recommended. Vocal proficiency must be successfully completed.

Prerequisites

EDU 180 and MUS 280 or equivalents with a minimum grade of B; and admission to teacher education

DEPARTMENT:

Music

MUS304 - Advanced Instrumental Methods
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Methods, materials, organization, administration and pedagogy related to the teaching of instrumental music in the secondary schools. Students must be of junior standing and completion of instrument techniques courses is recommended. Vocal Proficiency must be successfully completed.

Prerequisites

EDU 180 and MUS 280 or equivalent with a minimum grade of B; and admission to teacher education

Corequisites

MUS 480 and SEC 420

DEPARTMENT:

Music

MUS306 - Injury Prevention for Musician
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to introduce musicians to injury prevention strategies and concepts to aid in their professional growth. Topics include injury prevalence; risk factors and causes of injury; posture and alignment; upper body injuries and disorders; stretching and strengthening; hearing loss; and instrument modification.

DEPARTMENT:

Music

MUS313 - Introduction to Music Synthesis
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This course emphasizes a study of the concepts and selected applications of computer music in a digital music studio. Course content includes computer techniques, music sequencing, sound design, sound sampling, and the use of MIDI. Credit will be given for as many semesters as taken.

Prerequisites

MUS 170 and 171

DEPARTMENT:

Music

MUS314 - Percussion Instruments Level III
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS315 - Wind Instruments Level III
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS316 - Organ Level III
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS317 - Piano Level III
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. This course requires a significant amount of formal instruction in piano and/or an audition with the piano faculty prior to enrollment. Participation in weekly piano studio classes may be required. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS318 - String Level III
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS319 - Voice Level III
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Participation in weekly vocal studio classes may be required. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS320 - Vocal Pedagogy for the Music Educator
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

This course is designed to acquaint the vocal music education major with the structure, function, and development of the vocal mechanism. Students will learn how to protect and develop the vocal instrument in group instructional settings. Topics include the physiology of the singing voice, basics of singing, characteristics of voices at various ages, teaching singing in the music classroom and in the choral rehearsal, choosing appropriate repertoire, assessing results, and developing musical artistry.

DEPARTMENT:

Music

MUS321 - Choral Repertoire
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Students will explore the evolution of choral forms through the major stylistic periods. Special emphasis will be placed on repertory appropriate for elementary, middle and high school choirs.

Prerequisites

MUS 302

DEPARTMENT:

Music

MUS323 - Basic Conducting
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Fundamentals of instrumental and choral conducting. The course will emphasize basic skills and techniques related to conducting instrumental and choral ensembles.

DEPARTMENT:

Music

MUS326 - Marching Band Administration
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Fundamentals of organization, arranging, charting of shows and aspects of public relations and program development.

DEPARTMENT:

Music

MUS327 - Arranging Techniques
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

An exploration of the principles of instrumental and choral arranging through study of the instruments and voices involved, with practical application to the varied ensembles found in public schools.

Prerequisites

MUS 270 and 271

DEPARTMENT:

Music

MUS328 - Choral Arranging
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A study of the common arranging practices/principles observed in choral music. Special attention is placed on arranging for specific voice configurations commonly observed in public schools. An examination of the copyright law is included. Required for all music education majors on the comprehensive or vocal tracks.

Prerequisites

MUS 273 and 274

DEPARTMENT:

Music

MUS330 - Music Business I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of the diverse processes and resources of the Music Industry. Students will comprehend the complexity and synergy of the artistic and business aspects of the industry.

Prerequisites

MUS 230

DEPARTMENT:

Music

MUS331 - Music Business II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of MUS 330, exploring the diverse processes and resources of the Music Industry. Students will comprehend the complexity and synergy of the artistic and business aspects of the industry.

Prerequisites

MUS 330

DEPARTMENT:

Music

MUS332 - Marketing in the Music Business
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will build on the core industry knowledge gained in MUS 230 with an in-depth view of the various models of marketing recordings and artists. Students will create a marketing plan as a final project.

Prerequisites

MUS 230

DEPARTMENT:

Music

MUS333 - Live Performance and Concert Promotion
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will build on the core industry knowledge gained in MUS 230 with a focus on the various dynamics involved in producing a live performance event. Students will learn the operational, marketing, media buying, hospitality, production, and financial aspects of live performances and concerts from both the venue and performer perspectives. The primary focus will be on the operation and booking of a live music event and/or festival and the components required to book and produce events. Seminars and field experience outside of class required.

Prerequisites

MUS 230

DEPARTMENT:

Music

MUS334 - Artist Management and Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will build on the core industry knowledge gained in MUS 230 with an in-depth view of artist management and artist development. Students will apply principles by creating an artist career plan as a final project.

Prerequisites

MUS 230

DEPARTMENT:

Music

MUS335 - Copyright Law and Legal Issues in the Music Business
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will build on the core industry knowledge gained in MUS 230 with an in-depth view of the legal aspects of copyright protection, typical music industry contracts, business entities, and music industry practices.

Prerequisites

MUS 230

DEPARTMENT:

Music

MUS336 - Piano as an Ensemble Instrument
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Ensemble playing, piano duo literature, accompanying and chamber music performance. Credit will be given for as many semesters as taken.

Prerequisites

MUS 136

DEPARTMENT:

Music

MUS337 - Recording Techniques I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will learn to operate multi-track recording equipment, associated hardware and software, and become familiar with audio production strategies. They will perform a variety of individual and group lab exercises and complete a series of assignments that provide an overview of the professional studio process, culminating in the mixing and mastering of a project recorded during the semester. Students will attend multiple live recording sessions.

DEPARTMENT:

Music

MUS338 - Recording Techniques II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

In this course students will learn advanced techniques in audio production. They will perform a variety of individual and group lab exercises and complete a series of assignments that simulate the standard functions performed in a modern commercial audio facility. Students will attend multiple live recording sessions.

Prerequisites

MUS 337

DEPARTMENT:

Music

MUS339 - Recording Techniques III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

In this course, students will study the sonic characteristics of professionally recorded audio works. They will perform individual and group lab exercises and complete listening assignments that demonstrate how specific techniques achieve specific aural effects in modern popular music production.

Prerequisites

MUS 338

DEPARTMENT:

Music

MUS340 - Recording Techniques IV
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

In this course, students will record a project as individuals. The project will involve voice, either piano or guitar, bass, and percussion. Students will present a comprehensive plan and timeline for the project and record, mix, and partially master it.

Prerequisites

MUS 339

DEPARTMENT:

Music

MUS341 - Composition Level II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

One 50-minute session per week. The student will compose one or more original compositions during the semester with the eventual goal of public performance. Credit will be given for as many semesters as taken.

Prerequisites

Music composition major and MUS 241

DEPARTMENT:

Music

MUS350 - Instrumental Ensemble
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Small ensembles concentrating on chamber music literature. Emphasis will be placed upon developing chamber ensemble skills. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS351 - University Orchestra
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The ensemble will study and perform symphonic literature from a variety of style periods. Credit will be given for as many semesters as taken. Membership by audition.

DEPARTMENT:

Music

MUS352 - Marching Band
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The marching band prepares field performances for all home football games as well as selected away games and exhibitions. Credit will be given for as many semesters as taken. Membership is open.

DEPARTMENT:

Music

MUS353 - Brass and Percussion Ensemble
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Designed to give brass and percussion players experience in the study and performance of large brass ensemble literature. Credit will be given for as many semesters as taken. Membership by audition.

DEPARTMENT:

Music

MUS354 - Wind Ensemble
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The wind ensemble develops an understanding of representative wind band literature through study and performance. Credit will be given for as many semesters as taken. Membership by audition.

DEPARTMENT:

Music

MUS355 - Jazz Ensemble
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The jazz ensemble develops an understanding of representative jazz styles and skills through study and performance. Credit will be given for as many semesters as taken. Membership by audition.

DEPARTMENT:

Music

MUS356 - Jazz Combo
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Concentration on development of improvisatory techniques through performance and listening skills. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS357 - Symphonic Band
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The symphonic band develops an understanding of representative concert band literature through study and performance. Credit will be given for as many semesters as taken. Membership is open.

DEPARTMENT:

Music

MUS358 - Concert Band
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The Concert Band develops an understanding of musical styles and skills through study and performance. Credit will be given for as many semesters as taken.

Prerequisites

Concert band skills on a wind or percussion instrument

DEPARTMENT:

Music

MUS360 - University Chorale
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

University Chorale is dedicated to the study and performance of a wide variety of choral literature from all the major stylistic periods and genres. The development of basic musical skills and proper vocal function is emphasized. Credit will be given for as many semesters as taken. Membership is open.

DEPARTMENT:

Music

MUS361 - Concert Choir
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Concert Choir is dedicated to the study and performance of the masterworks of choral literature from all periods, genres and styles. Credit will be given for as many semesters as taken. Membership is by audition.

DEPARTMENT:

Music

MUS362 - Chamber Singers
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

The Chamber Singers study and perform a wide variety of choral literature from all periods, genres and styles with special attention to that body of work composed specifically for small vocal ensembles. Credit will be given for as many semesters as taken.

Prerequisites

Audition

Corequisites

MUS 160/360 or 161/361

DEPARTMENT:

Music

MUS363 - MSU Town and Gown Chorale
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Murray Choral Society is an ensemble comprised of students and community members and is dedicated to the study and performance of choral literature from all periods, genres, and styles. Credit will be given for as many semesters as taken. Membership is open.

DEPARTMENT:

Music

MUS364 - Opera Workshop
CREDITS:

1 - 2

COURSE LEVEL:

Undergraduate

Description

Practical experience in a workshop situation of scenes from opera and/or musical theatre. Only major operatic leads may take MUS 364 for two credits with permission of the instructor. Credit will be given for as many semesters as taken. Membership by audition.

DEPARTMENT:

Music

MUS365 - Opera Production
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Practical experience in costuming, stage management, construction of scenery, and stage lighting for the lyric stage. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS366 - Women's Chorus
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This chorus is a non-auditioned ensemble and performs a wide variety of challenging repertoire from all of the major historical periods and styles.

DEPARTMENT:

Music

MUS367 - Racer Men's Chorus
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This chorus is a non-auditioned ensemble and performs a wide variety of challenging repertoire from all of the major historical periods and styles.

DEPARTMENT:

Music

MUS368 - A Cappella Vocal Ensemble
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This ensemble is auditioned at the start of each semester and performs a wide variety of challenging a cappella vocal repertoire.

DEPARTMENT:

Music

MUS375 - Foundations and Principles of Music Therapy I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is directed toward developing entry-level competencies needed in the field of music therapy and is geared toward individuals who wish to be licensed in music therapy. Classes will consist of lecture/discussion, lab-based activities, and field experience opportunities. Field experience required.

Prerequisites

Music therapy major

DEPARTMENT:

Music

MUS376 - Foundations and Principles of Music Therapy II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is a continuation of MUS 375 and is directed toward developing entry-level competencies needed for individuals seeking to attain licensure in music therapy. Specifically, this course will focus on the treatment process. This class must be taken consecutively to MUS 375. Field experience is required.

Prerequisites

MUS 375 with a minimum grade of C

DEPARTMENT:

Music

MUS380 - Inclusive Teaching of Diverse Learners in Music
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will examine the design, implementation, and assessment of music instruction with diverse learners in mind. Teacher candidates will synthesize knowledge of learning theories, technology, and evidence-based practices, including classroom management, to develop units of study and lesson plans for K-12 music classrooms and performing ensembles, as well as other non-classroom or community music settings. The course will introduce candidates to federal laws and guidelines addressing diverse learners (e.g. special education, ELL, gifted and talented) and the application to K-12 music classrooms. Clinical experiences required.

Prerequisites

EDU 180 and MUS 280 or equivalents with a minimum grade of B; and admission to teacher education

Corequisites

MUS 301

DEPARTMENT:

Music

MUS381 - Music History and Literature I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The study of musical styles and literature from the fifth century B.C. through 1750. A survey of the musical heritage of western music and cultures including such topics as early Christian church music, Middle Ages secular song, Renaissance vocal and instrumental music and Baroque opera, keyboard and instrumental music. Prerequisites: For music majors: MUS 270, 271, and ENG 105 or equivalent. For music minors and liberal arts majors: successful completion of MUS 105 and ENG 105 or equivalent.

Prerequisites

For music majors: MUS 270, 271, and ENG 105 (or equivalent). For music majors and liberal arts majors: successful completion of MUS 105 and ENG 105 (or equivalent)

DEPARTMENT:

Music

MUS382 - Music History and Literature II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The study of musical styles and literature from 1730 through 1900. A survey of the musical heritage of western music and cultures including such topics as the Pre-Classic composers, Classic-Era symphonies, chamber music, keyboard and wind concerti, and opera and oratorio through Romantic-Era lieder, symphonies, symphonic poems, opera, oratorio, chamber music and concerti.

Prerequisites

MUS 381 with a minimum grade of C

DEPARTMENT:

Music

MUS383 - Music History and Literature III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The study of musical styles and literature since 1900. A survey of the musical heritage of western music and cultures including modern artistic ideas and styles, music between the two world wars, and new concepts and directions in live and pre-recorded musical media. Special focus will be included on world music from a variety of non-western cultures.

Prerequisites

MUS 381 with a minimum grade of C

DEPARTMENT:

Music

MUS389 - Musical Theatre Performance I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

THD389 - Musical Theatre Performance I

Description

A study of principles of musical theatre performance. The course includes acting techniques, audition techniques, and musical preparation, culminating in a student showcase performance. (Same as THD 389.)

Prerequisites

MUS 127 and THD 111

DEPARTMENT:

Music

MUS392 - Professional Engagement
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A capstone experience preparing students to find or create employment for the music profession. The course covers aspects of job preparation including interview skills, resumes, cover letters, networking, public speaking, presentation, leadership, social media, web presence, and personal branding as they relate to musicians and the field. Some class time will be devoted to individual student work to aid in the completion and public presentation of an individual, web-based leadership project (minimum of 25 hours). The class is repeatable for a maximum number of two hours.

Prerequisites

Minimum junior standing

DEPARTMENT:

Music

MUS396 - Repertoire/Pedagogy
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

A study of methods and materials available for teaching purposes as well as appropriate repertoire and pedagogical techniques available for various levels of learning.

DEPARTMENT:

Music

MUS398 - Junior Recital
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

Bachelor of Music in Performance degree candidates of junior standing enroll in this course the semester of their junior recital.

DEPARTMENT:

Music

MUS414 - Percussion Instruments Level IV
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS415 - Wind Instruments Level IV
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS416 - Organ Level IV
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS417 - Piano Level IV
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. This course requires a significant amount of formal instruction in piano and/or an audition with the piano faculty prior to enrollment. Participation in weekly piano studio classes may be required. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS418 - Strings Level IV
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS419 - Voice Level IV
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Participation in weekly vocal studio classes may be required. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS423 - Instrumental Conducting
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

An in-depth study of instrumental conducting techniques, with emphasis on practical conducting experiences using instrumental ensembles. Attention will be given to the selection, preparation and conducting of literature appropriate to various public school ensemble levels.

Prerequisites

MUS 273, 274, 323

DEPARTMENT:

Music

MUS424 - Choral Conducting
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

An in-depth study of choral conducting techniques, with emphasis on practical conducting experiences using choral ensembles. Attention will be given to the selection, preparation and conducting of literature appropriate to various public school ensemble levels.

Prerequisites

MUS 273, 274, 302, and 323

DEPARTMENT:

Music

MUS427 - Advanced Arranging and Orchestration
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

An in-depth exploration of all the instruments of the orchestra and band as well as the study of how to effectively write for each, alone and in combination. This course focuses on detailed score study, intense listening and evaluation, composing effective arrangements, and professional-level score preparation. The course will meet for two hours of lecture per week as well as one orchestra or band reading session (to be arranged).

Prerequisites

Music major and MUS 273 and 327, both with a minimum grade of C

DEPARTMENT:

Music

MUS431 - Special Topics I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of selected musical topics: composers, genres, etc. The course will allow students to study topics in a concentrated, in-depth manner. Specific topics will vary. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS432 - Special Topics II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of selected musical topics: composers, genres, etc. The course will allow students to study topics in a concentrated, in-depth manner. Specific topics will vary. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS433 - History of the Music Industry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will build on the core industry knowledge gained in MUS 230 with an in-depth view of the history of the music business, including inventions and technology, key businesses in recording, distribution and touring, and biographies of influential artists and executives.

Prerequisites

MUS 230

DEPARTMENT:

Music

MUS434 - The Digital Revolution and the Music Industry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course addresses how music is delivered and consumed through examining current case studies in digital media and content management. The course is aimed at students with no technical background and serves as an overview of the digital aspects of the music business, including monetization of digital content (music and video).

Prerequisites

MUS 230, 332, and 335

DEPARTMENT:

Music

MUS439 - Harpsichord
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

One 25-minute individual instruction period per week. Credit will be given for as many semesters as taken. For keyboard studies majors only. Prerequisite: MUS 116-316 or 117-317.

Prerequisites

MUS 116-316 or 117-317

DEPARTMENT:

Music

MUS440 - Entrepreneurship in Music Business
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A practical, step-by-step approach with theoretical foundation to forma a basic framework for understanding the process of entrepreneurship in music business. The aim of the course is to present the most current thinking in entrepreneurship and to provide learners the opportunity to apply ideas and develop useful analytical skills. This is a writing-intensive course in the music business degree.

Prerequisites

MUS 230, 330, 331, and admission to the music business degree

DEPARTMENT:

Music

MUS441 - Composition Level III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

One 50-minute individual instruction period per week. The student will compose one or more original compositions during the semester with the eventual goal of public performance. Credit will be given for as many semesters as taken.

Prerequisites

Music composition major and MUS 341

DEPARTMENT:

Music

MUS459 - Advanced Music History and Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The student will explore in further depth the development of music in history through stylistic elements as found in the standard repertoire. Each of these musical elements will be traced from plainchant through music of the 20th century, with special emphasis on innovative trends, perspectives, and genres.

Prerequisites

MUS 381 and 382, both with a minimum grade of C

DEPARTMENT:

Music

MUS475 - Clinical Practicum I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course builds on the foundations and principles of music therapy established in MUS 375 and MUS 376, specifically focusing on professional applications. Field experience is required.

Prerequisites

MUS 376 with a minimum grade of C

DEPARTMENT:

Music

MUS476 - Clinical Practicum II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course builds on the foundations and principles of music therapy established in MUS 375 and MUS 376, and exercised in MUS 475, specifically focusing on professional applications.

Prerequisites

MUS 475 with a minimum grade of C

DEPARTMENT:

Music

MUS480 - Effective Pedagogy in Music Education

CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Teacher candidates will apply content knowledge, educational philosophies, learning theories, differentiated instruction, classroom management strategies, effective assessment practices, instructional technology, co-teaching strategies, student advocacy, and content-area literary in K-12 music classes and performing ensembles. Emphasis will be placed on roles of teachers, students, parents, school, and community as educational partners. Candidates will design and implement culturally relevant, developmentally-appropriate instruction for all students in music settings. Clinical experiences required.

Prerequisites

MUS 380 or equivalent with a minimum grade of B and admission to Teacher Education

Corequisites

SEC 420

DEPARTMENT:

Music

MUS488 - Cooperative Education/Internship

CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of the department chair

DEPARTMENT:

Music

MUS489 - Coop Ed/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of the department chair

DEPARTMENT:

Music

MUS490 - Senior Seminar
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A course designed to provide an opportunity for students in all three degree programs to meet with the music faculty to explore topics of mutual concern; a culminating experience in which students examine uniquenesses and differences of their programs in consideration of trends and concepts in music, the arts and places of these in human experience; a forum for verbal and non-verbal program assessment.

DEPARTMENT:

Music

MUS495 - Senior Showcase
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

This course will serve as the capstone performance for a graduating senior in Musical Theatre. This performance is created by the students, with faculty supervision and direction. The class selects a theme for the showcase then blends musical numbers, narration, and monologues into a cohesive whole. Students create the musical arrangements, supply the choreography and staging, direct the scenes, and are responsible for every aspect of the production. Students must be in their last two semesters of study. Graded pass/fail.

Prerequisites

Senior standing

DEPARTMENT:

Music

MUS496 - Repertoire/Pedagogy
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

A continuation of MUS 396. Required of BM degree students.

Prerequisites

MUS 396

DEPARTMENT:

Music

MUS497 - Final Project
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

The final project may be a research paper, a musical composition or other work acceptable to both student and advisory committee. Bachelor of Arts in Music candidates in the research track enroll in this course during the seventh or eighth semester of study.

DEPARTMENT:

Music

MUS498 - Senior Recital
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

Undergraduate degree candidates enroll in this course during the semester of their senior recital.

DEPARTMENT:

Music

MUS499 - Concerto Performance
CREDITS:

0

COURSE LEVEL:

Undergraduate

Description

Undergraduate degree candidates in the Bachelor of Music in Performance program enroll in this course the semester of their concerto performance.

DEPARTMENT:

Music

MUS509 - Clinical Internship
CREDITS:

12

COURSE LEVEL:

Undergraduate

Description

Course is designed to impart entry-level clinical competencies through site-based, six-month clinical experiences in a student-selected area of interest. Students will complete a minimum of 900 hours and a maximum of 1044 hours of clinical training in medical, psychiatric, special education, geriatric or other clinical music therapy settings. Hours will be determined based on the number of pre-intern training hours completed. Field experience required. Graded pass/fail.

Prerequisites

Successful completion of all equivalency-level educational requirements prior to internship. No exceptions will be made.

DEPARTMENT:

Music

MUS511 - Analysis of Contemporary Music
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of the techniques and styles employed by composers since 1900. This course provides theoretical insight into the compositional procedures and stylistic tendencies exhibited in recent music, and, in many cases, how they connect logically with the music of the past. It emphasizes learning how to listen to, appreciate, and interpret contemporary music.

Prerequisites

MUS 273 and 274; both with a minimum grade of C

DEPARTMENT:

Music

MUS512 - Counterpoint
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Contrapuntal practices from the 16th century to the modern era. There will be particular emphasis on contrapuntal writing of the 18th century as exemplified in the works of J.S. Bach. Study of species counterpoint, analysis of representative composition, and writing of contrapuntal works.

Prerequisites

MUS 273 and 274; both with a minimum grade of C

DEPARTMENT:

Music

MUS513 - Form and Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study in harmonic analysis and the forms of composition throughout the history of music.

Prerequisites

MUS 273 and 274; both with a minimum grade of C

DEPARTMENT:

Music

MUS514 - Music Study-Percussion Instruments
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken. Open to junior and senior classification and graduate students.

Prerequisites

Completion of a 400-level applied study or the equivalent; and permission of instructor

DEPARTMENT:

Music

MUS515 - Applied Music Study-Wind Instruments
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken. Open to junior and senior classification and graduate students.

Prerequisites

Completion of a 400-level applied study or the equivalent; and permission of instructor

DEPARTMENT:

Music

MUS516 - Applied Music Study-Organ
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

One 25-minute or one 50-minute individual instruction period per week. Credit will be given for as many semesters as taken. Open to junior and senior classification and graduate students.

Prerequisites

Completion of a 400-level applied study or the equivalent; and permission of instructor

DEPARTMENT:

Music

MUS517 - Applied Music Study-Piano
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Credit will be given for as many semesters as taken. Open to junior and senior classification and graduate students. Prerequisites: completion of 400-level of applied study or the equivalent, and permission of instructor.

Prerequisites

Completion of a 400-level applied study or the equivalent; and permission of instructor

DEPARTMENT:

Music

MUS518 - Applied Music Study-String Instruments
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Credit will be given for as many semesters as taken. Open to junior and senior classification and graduate students.

Prerequisites

Completion of a 400-level applied study or the equivalent; and permission of instructor

DEPARTMENT:

Music

MUS519 - Applied Music Study-Voice
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Credit will be given for as many semesters as taken. Open to junior and senior classification. Participation in weekly vocal studio classes may be required.

Prerequisites

Completion of a 400-level applied study or the equivalent; and permission of instructor

DEPARTMENT:

Music

MUS530 - Special Topics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of selected musical topics: composers, genres, etc. The course will allow students to study topics in a concentrated, in-depth manner. Specific topics will vary by semester according to student and faculty advisor interests. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS550 - Independent Study in Music
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Independent study for selected students. Topics, methodology and evaluation procedures to be approved in advance by the instructor. Credit will be given for as many semesters as taken.

Prerequisites

Permission of the department chair

DEPARTMENT:

Music

MUS600 - Historical and Philosophical Foundations of Music Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Historical and philosophical foundations of music education; lecture and discussion with attention to aesthetics, aesthetic education, and the relationship of music and art to these in forming a philosophy of music education.

DEPARTMENT:

Music

MUS601 - Psychological Foundations of Music Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Psychological foundations of music education through readings, lecture, and discussion of educational learning theories. A survey of current trends in learning theories and their implications for teaching, supervision, administration, and evaluation in music education.

DEPARTMENT:

Music

MUS602 - Curriculum and Assessment in Music
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Students will develop an understanding of the major trends in curriculum development in music education and the assessment process as it relates to individual, classroom and standardized evaluation.

DEPARTMENT:

Music

MUS610 - Advanced Music Theory and Analysis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Selected composers from the Common Practice period to the present will be studied in depth. Complete movements of works will be studied, and proper analytical procedures and systems will be determined and implemented. A comprehensive look at a variety of styles and genres will be of particular importance, and emphasis will be placed on understanding 20th-century music.

DEPARTMENT:

Music

MUS614 - Percussion
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS615 - Wind Instruments
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS616 - Organ
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS617 - Piano
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS618 - Strings
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS619 - Voice
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS620 - Keyboard Literature and Performance Practice
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Keyboard literature from the pre-Baroque era through the 20th century. Stylistic considerations, performance practices, ornamentation, etc., for each period researched and discussed. (On demand)

Prerequisites

Permission of instructor

DEPARTMENT:

Music

MUS627 - The Elementary Music Program
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Administration of the elementary school music program, including curriculum, assessment, KERA standards, mainstreaming, gifted/talented students, 20th-century approaches to music education, and professional development.

DEPARTMENT:

Music

MUS628 - The Secondary Music Program
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is directed towards music planning in the secondary school, including curriculum development and evaluation, evaluation tools, scheduling strategies, budget and inventory control, summer program development, community relations, faculty development and in-service planning, and working relationships with school administrators.

DEPARTMENT:

Music

MUS629 - Contemporary Instructional Practices in Music Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Contemporary music education practices, with the implications of current research upon those practices.

DEPARTMENT:

Music

MUS630 - Special Topics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of selected musical topics: composers, genres, etc. The course will allow students to study topics in a concentrated, in-depth manner. Specific topics will vary by semester according to student and faculty advisor interests. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS639 - Methods of Research in Music Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of procedures used to locate sources of information, organize and interpret collected data, and apply results of published research in music. A variety of research methods is studied and utilized.

DEPARTMENT:

Music

MUS640 - Piano Pedagogy
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Piano teaching including the examination and evaluation of beginning and intermediate teaching methods, analysis of technical approaches, research into the history of piano pedagogy. Observations and supervised practice teaching required. (On demand)

Prerequisites

Permission of instructor

DEPARTMENT:

Music

MUS641 - Vocal Pedagogy
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Techniques, practices and materials used in the teaching of singing. Discussion of psychological and physical developmental growth principles applied to individual and group performance. (On demand)

DEPARTMENT:

Music

MUS642 - Seminar in Music Teaching
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Pedagogical approaches and materials for the teaching of musical skills and concepts.

Prerequisites

Admission to the MME degree program

DEPARTMENT:

Music

MUS650 - Problems and Projects in Music
CREDITS:

1 - 4

COURSE LEVEL:

Graduate

Description

Course designed to accommodate individual projects for selected students. Project reports will be presented orally and/or in writing. Credit will be given for as many semesters as taken.

Prerequisites

Permission of the department chair and instructor

DEPARTMENT:

Music

MUS651 - University Orchestra
CREDITS:

1

COURSE LEVEL:

Graduate

Description

The ensemble will study and perform symphonic literature from a variety of style periods. Credit will be given for as many semesters as taken. Audition required.

DEPARTMENT:

Music

MUS652 - Marching Band
CREDITS:

1

COURSE LEVEL:

Graduate

Description

The marching band develops an understanding of musical styles and skills through study and performance. Credit will be given for as many semesters as taken. Audition required.

DEPARTMENT:

Music

MUS654 - Symphonic Wind Ensemble
CREDITS:

1

COURSE LEVEL:

Graduate

Description

The ensemble develops an understanding of representative wind band literature through study and performance. Credit will be given for as many semesters as taken. Audition required.

DEPARTMENT:

Music

MUS655 - Jazz Ensemble
CREDITS:

1

COURSE LEVEL:

Graduate

Description

The ensemble develops an understanding of representative jazz styles and skills through study and performance. Credit will be given for as many semesters as taken. Audition required.

DEPARTMENT:

Music

MUS656 - Jazz Combo
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Concentration on the development of improvisatory techniques through performance and listening skills. Special attention given to creation of arrangements (jazz theory) and pedagogic techniques. Credit will be given for as many semesters as taken. This course will only count as elective credit.

Prerequisites

Permission of instructor

DEPARTMENT:

Music

MUS657 - Symphonic Band
CREDITS:

1

COURSE LEVEL:

Graduate

Description

The symphonic band develops an understanding of musical styles and skills through study and performance. Credit will be given for as many semesters as taken. Audition required.

DEPARTMENT:

Music

MUS658 - Concert Band
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Develops an understanding of musical styles and skills through study and performance. Repeatable.

Prerequisites

Concert band skills on a wind or percussion instrument

DEPARTMENT:

Music

MUS659 - Advanced Music History and Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The student will explore in further depth the development of music in history through stylistic elements as found in the standard repertoire. Each of these musical elements will be traced from plainchant through music of the 20th century, with special emphasis on innovative trends, perspectives, and genres.

DEPARTMENT:

Music

MUS660 - University Chorale
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Course dedicated to the study and performance of a wide variety of choral literature from all major style periods and genres. The development of basic musical skills and vocal function is emphasized.

DEPARTMENT:

Music

MUS661 - Concert Choir
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Course dedicated to the study and performance of a wide variety of choral literature from all major style periods and genres. The continued development of musical skills and vocal function is emphasized. Audition required.

DEPARTMENT:

Music

MUS662 - Chamber Singers
CREDITS:

1

COURSE LEVEL:

Graduate

Description

The group will study and perform a wide variety of choral literature from all major style periods and genres, with special attention to that body of work composed specifically for small vocal ensembles. Audition required.

Corequisites

MUS 660 or 661

DEPARTMENT:

Music

MUS664 - Opera Workshop
CREDITS:

1 - 2

COURSE LEVEL:

Graduate

Description

Provides experiences for singers to gain experience in opera/music theatre repertoire through participation in full performances or staged scenes. Only students with major roles may take MUS 664 for two credits with permission of the instructor. Credit will be given for as many semesters as taken. Audition required.

DEPARTMENT:

Music

MUS670 - Chamber Ensembles
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Small ensembles concentrating on chamber music literature. Emphasis will be placed on developing chamber ensemble skills. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS693 - Workshop in Music for Teachers
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

A variable credit workshop with selected topics appropriate to music educators. Credit will be given for as many semesters as taken.

DEPARTMENT:

Music

MUS698 - Music Thesis I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The initial preparation of a significant study of a topic deemed appropriate by the student's research director and research committee. This topic could be an outgrowth of an idea from previous coursework or may emanate from discussion with faculty and peers.

Prerequisites

MUS 600, 601, 610, 639, and 659

DEPARTMENT:

Music

MUS699 - Music Thesis II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The continuation of a significant study of a topic deemed appropriate by the student's research director and research committee.

Prerequisites

MUS 698

DEPARTMENT:

Music

NLS: Nonprofit Leadership Studies

NLS100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course designed to assist students in their transition to Murray State University. Content includes orientation to the specific areas, majors, and minors within academic programs. Other topics may include university procedures, policies, resources, strategies for success and extracurricular activities. Only one transition course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Organizational Communication and Leadership

NLS101 - Introduction to Recreation and Leisure Services
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of the history, philosophy, aims, and objectives of the recreation and leisure profession.

DEPARTMENT:

Organizational Communication and Leadership

NLS102 - Camp Leadership and Campcraft
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to the history and objectives of organized camping with emphasis on the role of the modern camp counselor.

DEPARTMENT:

Organizational Communication and Leadership

NLS104 - Rural Tourism
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to provide students with an overview of rural tourism including factors such as supply and demand, as well as cultural, economic and environmental impacts. Additional topics may include sustainable and global tourism. Students will be required to participate in field experiences.

DEPARTMENT:

Organizational Communication and Leadership

NLS129 - Basic Canoeing
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

N/A

DEPARTMENT:

Organizational Communication and Leadership

NLS150 - Recreation Activity Leadership
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course provides a study of challenge education programming and direct experience in facilitating challenge education activities.

DEPARTMENT:

Organizational Communication and Leadership

NLS161 - Outdoor Cooking and Menu Planning
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

An introduction to basic outdoor cooking. The course will cover basic equipment, food preparation techniques, nutrition and menu planning for backcountry.

DEPARTMENT:

Organizational Communication and Leadership

NLS162 - Backpacking and Outdoor Living
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

N/A

DEPARTMENT:

Organizational Communication and Leadership

NLS163 - Caving
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

N/A

DEPARTMENT:

Organizational Communication and Leadership

NLS164 - Rock Climbing
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

N/A

DEPARTMENT:

Organizational Communication and Leadership

NLS207 - Diversity and Inclusion in a Global Society
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The purpose of this course is to explore the meaning and impact of diversity for individuals and organizations in society. An overview of issues relating to diversity such as identity, difference, prejudice, privilege, and bias will be studied as they relate to patterns of discrimination based on certain criteria, such as race, color, religion or creed, national origin or ancestry, gender, age, physical or mental disability, genetic information, citizenship, sexual orientation, etc. Students will explore successful strategies and methods for achieving inclusive workplaces and interactions in society.

DEPARTMENT:

Organizational Communication and Leadership

NLS264 - Intermediate Rock Climbing
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

The course will review outdoor rock climbing basics including techniques, equipment, knots and belaying. Students will then be given instruction and practice on setting up proper anchor systems for top-rope climbing. A weekend field experience is required for this course.

Prerequisites

NLS 164

DEPARTMENT:

Organizational Communication and Leadership

NLS290 - Community Engagement and the Nonprofit Sector
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduces students to the broad roles of nonprofit and recreation organizations in society. Includes an emphasis on the values embodied in philanthropy and the nonprofit sector, such as service, volunteering, human and cultural diversity, trust, stewardship, and social justice. Requires service in a community organization as part of the Service Learning Scholars Program.

DEPARTMENT:

Organizational Communication and Leadership

NLS295 - Wilderness and Remote First Aid
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course will cover wilderness first aid basics and help-delayed care in environments where advanced medical services may be unavailable or delayed. Students will be trained in other areas of patient care, including the performance of cardiopulmonary resuscitation for the professional rescuer (CPR-PR). Students will be required to participate in a Wilderness Care Weekend Experience.

DEPARTMENT:

Organizational Communication and Leadership

NLS300 - Introduction to Nonprofit Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course introduces students to nonprofit management from the perspective of the various stakeholders of nonprofit organizations. The course helps students to develop management and problem-solving skills, and to become better-informed board members, volunteers, and donors if they do not intend to pursue a career in the nonprofit sector. It analyzes the roles and functions of nonprofit organizations, as well as key questions in the research, theory, and practice of leading and managing nonprofit organizations and philanthropic institutions.

DEPARTMENT:

Organizational Communication and Leadership

NLS301 - Outdoor Adventure Skills
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to basic skills and concepts in a variety of outdoor adventure activities. Proficiency will be developed in hard skills (knots, belaying, paddle strokes, etc.) for various outdoor adventure activities including, but not limited to, rock climbing, backpacking, canoeing, kayaking, and caving. The course covers group dynamics, effective leadership, communication, and decision making in the backcountry. Weekend experiences required.

DEPARTMENT:

Organizational Communication and Leadership

NLS302 - Special Event Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of special event management with a focus on best practices for effective planning, implementation, and evaluation. Includes organizing and delivering a special event.

DEPARTMENT:

Organizational Communication and Leadership

NLS304 - Community Recreation Service Learning
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Students obtain hands on professional experience by completing 40 service learning hours in community recreation programs. Recreation majors only.

DEPARTMENT:

Organizational Communication and Leadership

NLS305 - Giving, Philanthropy and Grant-making
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course analyzes the different forms of philanthropic action, from informal individual gift giving to strategic and institutional philanthropy. The course includes a student philanthropy component, as students will allocate a grant to a local nonprofit organization. This experience will familiarize students with key aspects of grant-making institutions, such as mission development, needs assessment, grant proposal analysis, and site visits. Students will develop their own grant-making strategy and learn how to be strategic in their individual giving.

DEPARTMENT:

Organizational Communication and Leadership

NLS306 - Aging in American Society
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of physical, mental, social, and emotional aspects of aging. Focuses on the issues affecting older adults, as well as the individuals and organizations/institutions supporting them. Addresses the broader implications of these issues for society.

DEPARTMENT:

Organizational Communication and Leadership

NLS311 - Leadership in Adventure Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will provide a thorough study of leadership in adventure education programs. Topics will include leadership styles, trip planning, risk management, and group dynamics. Weekend experiences required.

Prerequisites

NLS 301 or two of the following: NLS 129, 162, 163, or 164

DEPARTMENT:

Organizational Communication and Leadership

NLS340 - Extended Backcountry Travel
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed to develop an understanding of leadership, knowledge, and skills specific to extended backcountry travel situations. Week-long experience required. Field experiences may include, but are not limited to: backpacking, canoeing, and kayaking.

DEPARTMENT:

Organizational Communication and Leadership

NLS350 - Program Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Develops knowledge and understanding of techniques in organizing, planning, and evaluation of various types of nonprofit and recreation programs. Examines program development tools such as the logic model, and emphasizes program outputs/outcomes, structure, and policies/procedures. Provides opportunities to apply management and program development tools to a real-world context through service learning projects. Part of the Service Learning Scholars Program.

DEPARTMENT:

Organizational Communication and Leadership

NLS351 - Leadership, Governance, and Board Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduces students to the leadership and governance component of the nonprofit sector. Exposes students to leadership theories, leadership styles, and decision-making processes as they apply to the nonprofit sector. Provides an analysis of the role of governance structures in nonprofit organizations, including board development and relationship between executive director and board. An emphasis is placed on ethical issues in governance and leadership. Requires service in a community organization as part of the Service Learning Scholars Program.

DEPARTMENT:

Organizational Communication and Leadership

NLS352 - Human Resource and Volunteer Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduces students to the processes and practices of managing paid and unpaid staff with a focus on recruitment, development, supervision, recognition, and retention. Explores the roles, values, and dynamics of volunteerism in fulfilling organizational missions, including governance structures, committee systems, and advocacy activities. Requires service in a community organization as part of the Service Learning Scholars Program.

DEPARTMENT:

Organizational Communication and Leadership

NLS360 - Special Topics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of a specific nonprofit management or outdoor recreation topic, such as focusing on a type of organization, population, or societal issue. The course will allow students to study the specific topic in a concentrated and in-depth manner. Specific topics will vary. Credits will be given for up to 15 credit hours for courses with a different topic.

DEPARTMENT:

Organizational Communication and Leadership

NLS370 - Philanthropy, NGOs and International Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course analyzes the role of international philanthropy and transitional nongovernmental organizations (NGOs) in addressing world poverty. It provides students with an overview of the size and scope of U.S. international philanthropy, as well as the actors and challenges of international development assistance. The course introduces students to major debates on international development, and focuses in particular on the effectiveness and efficiency of international philanthropy and NGOs.

DEPARTMENT:

Organizational Communication and Leadership

NLS380 - The Nonprofit Sector in Comparative Perspective: Study Abroad Experience
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will explore civil society and nonprofit organizations in different cultural contexts. Students will be exposed to the multiple ways nonprofit organizations respond to the global issues confronting the world today. Particular attention will be given to the roles and functions of nonprofit organizations outside the United States, with an emphasis on the differences and similarities with the U.S. context. The course includes both pre-departure classroom meetings and international travel, and may also include student involvement in a local and/or international community service organization. In total, students will complete a minimum of 45 hours of classroom activities- combining pre-departure meetings and abroad experience.

DEPARTMENT:

Organizational Communication and Leadership

NLS395 - Wilderness and Remote First Aid Instructor
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course covers the skills and competencies necessary to become certified as a Wilderness and Remote First Aid and CPR for the Professional Rescuer Instructor. Certification may be obtained through the American Red Cross. Weekend experiences required.

DEPARTMENT:

Organizational Communication and Leadership

NLS400 - Professional Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A professional development experience with a community organization under the direct supervision of an experienced social sector professional. Course is repeatable for up to six hours of credit.

Prerequisites

NLS 350, 351 and 402

DEPARTMENT:

Organizational Communication and Leadership

NLS402 - Financial Resource Management and Fund Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A review of the impacts of basic economics and market dynamics on the nonprofit sector, frame an overview of financial management, and resource development processes and practices. The course presents students with quality practices and tools used in budgeting, accounting, reporting, and fund raising. Part of the Service Learning Scholars program.

DEPARTMENT:

Organizational Communication and Leadership

NLS403 - Nonprofit and Recreation Facilities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course emphasizes planning and design principles for managing facilities for nonprofit and recreation facilities. The course will focus on administration of existing facilities and new facility planning. Facilities covered include administrative offices, parks, playgrounds, pools, camps, and recreation centers.

DEPARTMENT:

Organizational Communication and Leadership

NLS405 - Organization and Administration of Recreation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the organizational and administrative practices of commercial, public and voluntary recreation agencies.

DEPARTMENT:

Organizational Communication and Leadership

NLS410 - Technology Skills for Community Organizations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Studies current and emerging technology, including social media and "big data," as a tool to increase effectiveness and excellence in the management of nonprofit and recreation organizations. Practices basic skills required for individual and organizational success in the digital world.

DEPARTMENT:

Organizational Communication and Leadership

NLS420 - Field Studies in Environmental Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of natural resources and programs that promote understanding and teaching of environmental education and environmental literacy. Class includes visits to nearby environmental education programs and areas that promote environmental education and enhance environmental literacy.

DEPARTMENT:

Organizational Communication and Leadership

NLS430 - NPOs and Community Development: Comprehensive Strategies for Impact
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course prepares students for action in the complex and ever-changing context in which mission-driven nonprofit organizations operate. This course provides students with current and emerging action strategies and practices to strengthen or improve less-advantaged communities, empower their residents, and interact with a broad spectrum of public, for profit, and nonprofit agencies. Students examine and apply quality practices in comprehensive community development, coalition and movement building, integrated strategies, collective and collaborative action, and strategic planning and assessment approaches. Students are required to complete service with an approved organization outside of class time.

DEPARTMENT:

Organizational Communication and Leadership

NLS445 - Research and Evaluation in Recreation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of methods and techniques of research and evaluation as applied to recreation and park services.

DEPARTMENT:

Organizational Communication and Leadership

NLS450 - Senior Seminar Capstone
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course assists graduating seniors to synthesize and demonstrate their knowledge and competencies in nonprofit leadership studies. Students will complete an electronic portfolio. The course addresses the full range of professional development strategies, skills, and resources needed for a successful career in the nonprofit sector.

DEPARTMENT:

Organizational Communication and Leadership

NLS460 - Natural Resources and Society
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will provide a thorough investigation of the recreational use of natural resources in the United States, as well as an overview of conditions around the world. The information presented will focus on the primary issue of "preservation versus use" of natural resources.

DEPARTMENT:

Organizational Communication and Leadership

NLS465 - Policy, Legal Issues, and Advocacy for Social Change in Nonprofit Organizations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of the legal issues impacting the nonprofit sector, the roles of policy in insuring compliance and effective practice, and the application of advocacy strategies. Student will build understanding through the examination of the basic legal needs nonprofits have in common, requirements of the tax exemption, the legal aspects of fund development, human resources law for nonprofits, and political activities, among others.

DEPARTMENT:

Organizational Communication and Leadership

NLS470 - Interpretation of Cultural and Natural Resources
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study and application of techniques and best practices appropriate to historical, cultural, and natural resource interpretation in park and recreation settings. Includes analysis and development of a appreciation of interpretive programs and visitors information services.

DEPARTMENT:

Organizational Communication and Leadership

NLS475 - Social Entrepreneurship
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is about utilizing entrepreneurial skills to craft innovative responses to social problems. Entrepreneurs are particularly good at recognizing opportunities, exploring innovative approaches, mobilizing resources, managing risks, and building viable enterprises. Social entrepreneurship applies to both profit and non-profit organizations that have programs designed to create social value. Part of the Service Learning Program.

Prerequisites

Junior standing

DEPARTMENT:

Organizational Communication and Leadership

NLS480 - Special Problems in Nonprofit Organizations
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Involves developing a project or independent study to address issues and needs within local nonprofits. Students will be responsible for planning, implementing, and their outcome evaluations for the project or independent study. May be repeated for a maximum of nine credit hours.

DEPARTMENT:

Organizational Communication and Leadership

NLS485 - Seminar on Leadership Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is a high-level exploration of leadership principles and practices, in support of the development of personal confidence and capacity to be more effective leaders and managers. Students will develop competencies for quality applications in the context of family, community, and career, including personal principles and values, ethical standards and practices, interpersonal and group dynamics, cultural competence, and vision and strategy development, among others.

DEPARTMENT:

Organizational Communication and Leadership

NLS490 - National Recreation Sites and Rural Tourism Traveling Workshop
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of national outdoor recreation sites and rural tourism where they occur. Includes educational interaction with professionals at national recreation sites and facilities and gateway communities. Course addresses primary management issues related to specific sites.

DEPARTMENT:

Organizational Communication and Leadership

NLS501 - Seminar on Nonprofit Organizations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An advanced exploration of nonprofit organizations. Program development, leadership, personnel/volunteer management, communication, decision making, and problem solving are explored and includes a service learning project approach. Part of the Service Learning Scholars program.

DEPARTMENT:

Organizational Communication and Leadership

NLS600 - The Nonprofit Sector and Civil Society
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides students with historical and philosophical foundations of the nonprofit sector in American society and around the globe, the roles and relationships among structural sectors of society (nonprofit, government, and business), and the competencies and functions of nonprofit sector leadership and management. Students identify and study current and emerging issues and trends impacting society and the response for the nonprofit sector, while exploring the range of career and volunteer opportunities.

DEPARTMENT:

Organizational Communication and Leadership

NLS601 - Seminar on Nonprofit Organizations
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced exploration of nonprofit organizations. Program development, leadership, personnel/volunteer management, communication, decision making, and problem solving are explored and includes a service learning project approach. Part of the Service Learning Scholars program.

DEPARTMENT:

Organizational Communication and Leadership

NLS602 - Financial Resource Management and Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A review of the impacts of basic economics and market dynamics on the nonprofit sector, frame an overview of financial management, and resource development processes and practices. The course presents students with quality practices and tools used in budgeting, accounting, reporting, and fund raising. Part of the Service Learning Scholars program.

DEPARTMENT:

Organizational Communication and Leadership

NLS615 - Introduction to Environmental Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An introduction to environmental education which will include philosophy, historical development, resource identification, curriculum development, field trip and other activities designed to use the various subject areas in all grade levels as a vehicle to create an environmental ethic.

DEPARTMENT:

Organizational Communication and Leadership

NLS620 - Internship in Environmental Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Student spends a directed amount of time working under the supervision of a selected environmental educator. This may be in formal and non-formal settings. May be taken concurrently with EDU 660 if experience and length of internship merits additional credits.

DEPARTMENT:

Organizational Communication and Leadership

NLS625 - Nonprofit Organization Development, Management, and Leadership
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An examination of the roles and responsibilities of positional leaders in the ongoing development, management, and leadership of nonprofit organizations. Students develop understanding of strategies, practices, and tools for developing vision and mission, establishing and implementing strategic plans and operation policies, developing and guiding human resources (paid and volunteer), and building and sustaining effective governance structures.

DEPARTMENT:

Organizational Communication and Leadership

NLS630 - Nonprofit Organizations and Community Development: Comprehensive Strategies for Impact

CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course prepares students for action in the complex and ever-changing context in which mission-driven nonprofit organizations operate. This course provides students with current and emerging action strategies and practices to strengthen or improve less-advantaged communities, empower their residents, and interact with a broad spectrum of public, for profit, and nonprofit agencies. Students examine and apply quality practices in comprehensive community development, coalition and movement building, integrated strategies, collective and collaborative action, and strategic planning and assessment approaches.

DEPARTMENT:

Organizational Communication and Leadership

NLS640 - Internship

CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides graduate students opportunity to enhance and compliment their academic program through experimental learning in a professional nonprofit workplace. The experience provides students opportunities to build professional networks and better understand current issues in their profession.

Prerequisites

Completion of four core courses

DEPARTMENT:

Organizational Communication and Leadership

NLS660 - Special Problems in Environmental Education

CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Selected projects in current developments and trends in environmental education. Repeatable to six hours.

DEPARTMENT:

Organizational Communication and Leadership

NLS661 - Workshops in Environmental Education
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Selected workshops in environmental education. Graded pass/fall. Repeatable to three hours.

DEPARTMENT:

Organizational Communication and Leadership

NLS662 - Workshops in Environmental Education
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Selected workshops in environmental education. Graded pass/fall. Repeatable to six hours.

DEPARTMENT:

Organizational Communication and Leadership

NLS663 - Workshops in Environmental Education
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Selected workshops in environmental education. Repeatable to nine hours. Graded pass/fail.

DEPARTMENT:

Organizational Communication and Leadership

NLS664 - Techniques of Teaching Environmental Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course provides opportunities for the development of teaching attitudes and understanding at all grade levels of the basic natural resources of the school environment. Study of the surrounding area is made through field trips.

DEPARTMENT:

Organizational Communication and Leadership

NLS665 - Policy, Legal Issues, and Advocacy for Social Change in Nonprofit Organizations
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An exploration of the legal issues impacting the nonprofit sector, the roles of policy in insuring compliance and effective practice, and the application of advocacy strategies. Student will build understanding through the examination of the basic legal needs nonprofits have in common, requirements of the tax exemption, the legal aspect of fund development, human resources law for nonprofits, and political activities, among others.

DEPARTMENT:

Organizational Communication and Leadership

NLS667 - International Environmental Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Residential study of the mathematical, scientific, social studies, language arts, fine arts, and health connections to the environment in international locations. This class takes place in an international location (field experiences required).

DEPARTMENT:

Organizational Communication and Leadership

NLS668 - Agriculture and the Environment in the Classroom
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The study of agriculture and the environment as it relates to origination and production of food and fiber and how this connects to topics, skills, and concepts that are included in the K-12 classroom. This program is conducted in conjunction with the Kentucky Department of Agriculture (field experience required).

DEPARTMENT:

Organizational Communication and Leadership

NLS669 - Investigation and Evaluation of Issues in Environmental Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course focuses on the identification and evaluation of specific environmental issues, leading to possible environmental/service action projects by their K-12 students, with attention to the potential outcomes of such projects on the physical environment, other humans and other living things. Weekend field experiences are required and include residential, classroom and outdoor experiences at Brandon Spring Group Camp, U.S. Forest Service and Land Between the Lakes.

DEPARTMENT:

Organizational Communication and Leadership

NLS670 - Field Experience in Environmental Education
CREDITS:

2 - 3

COURSE LEVEL:

Graduate

Description

Study of the ecosystems and natural resources that support teaching environmental education. Focus on techniques of using the outdoors as a teaching tool and as a curriculum development resource including using environmental education programs to meet the needs of local communities. Includes assessments of field resources for teaching environmental education and enhancing environmental literacy. Class incorporates visits to nearby environmental education programs and areas.

DEPARTMENT:

Organizational Communication and Leadership

NLS675 - Social Entrepreneurship
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is about utilizing entrepreneurial skills to craft innovative responses to social problems. Entrepreneurs are particularly good at recognizing opportunities, exploring innovative approaches, mobilizing resources, managing risks, and building viable enterprises. Social entrepreneurship applies to both profit and non-profit organizations that have programs designed to create social value. Part of the Service Learning Program.

DEPARTMENT:

Organizational Communication and Leadership

NLS680 - Special Problems in Nonprofit Organizations
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Involves developing a project or independent study to address issues and needs within local nonprofits. Students will be responsible for planning, implementing, and their outcome evaluations for the project or independent study. May be repeated for a maximum of nine credit hours.

DEPARTMENT:

Organizational Communication and Leadership

NLS685 - Seminar on Leadership Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is a high-level exploration of leadership principles and practices, in support of the development of personal confidence and capacity to be more effective leaders and managers. Students will develop competencies for quality applications in the context of family, community, and career, including personal principles and values, ethical standards and practices, interpersonal and group dynamics, cultural competence, and vision and strategy development, among others.

DEPARTMENT:

Community Leadership and Human Services

NSE: National Student Exchange

NSE300 - National Student Exchange
CREDITS:

6 - 15

COURSE LEVEL:

Undergraduate

Description

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DEPARTMENT:

Career Services

NTN: Nutrition

NTN100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Applied Health Sciences

NTN130 - Nutrition and Healthy Living
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will provide students the tools necessary to understand and manage nutrition-related health matters, enabling them to develop lifestyle behaviors that will improve overall health and prevent the onset of chronic diseases. Students will learn basic information with regard to macro- and micronutrients, the relationship between diet and disease, how to navigate a food label and grocery store, and how to decipher information presented in popular and social media. Students will also learn how to individualize their nutrient needs based on weight and other appropriate measurements. Field trips may be required. This course will not count toward a major requirement.

DEPARTMENT:

Applied Health Sciences

NTN200 - Introduction to the Profession
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Introduction to nutrition and dietetics including academic and professional preparation. Scope of practice, code of ethics, licensure, and credentialing will be explored. Employment opportunities for nutrition and dietetics professionals will be examined.

DEPARTMENT:

Applied Health Sciences

NTN220 - Food Safety and Sanitation
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

This course will focus on foodservice sanitation and safety principles in foodservice and lodging operations. Topics include issues impacting consumers and operators, application of Hazard Analysis Critical Control Point (HACCP) and preparation for the national foodservice sanitation certification examination. Characteristics of food, supplies, and equipment as related to quality, sanitation, and safety will also be addressed.

DEPARTMENT:

Applied Health Sciences

NTN230 - Nutrition
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory course intended to provide students an understanding of the fundamental concepts of human nutrition. The concepts of digestion, absorption, transport, and elimination of macro- and micronutrients are reviewed. Relationships between diet and disease are introduced. Basic concepts related to nutrition throughout the lifecycle are discussed, and cultural influences on diet and health are explored.

DEPARTMENT:

Applied Health Sciences

NTN231 - Principles of Food Science and Preparation
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Emphasis on understanding and applying the basic physical and chemical properties of foods. Development of skills in recipe interpretation, cooking methods, food safety, and sanitation. Lecture, two hours; laboratory, three hours.

DEPARTMENT:

Applied Health Sciences

NTN303 - Research Concepts in Food and Nutrition
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to quantitative and qualitative research in foods and nutrition focusing on methods for collecting and analyzing data as well as critiques of research reports and the development of research proposals.

Prerequisites

NTN 230

DEPARTMENT:

Applied Health Sciences

NTN330 - Nutrient Metabolism
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course offers an in-depth exploration of the digestion, absorption, and transport of macro- and micronutrients. Physiological roles of nutrients examined, including their role in disease prevention and/or treatment. Deficiency and toxicity syndromes are also investigated.

Prerequisites

NTN 230 and eight hours of biology and/or chemistry

DEPARTMENT:

Applied Health Sciences

NTN333 - Nutrition Throughout the Life Cycle
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course examines the nutrient needs of individuals at various stages of the life cycle, including preconception, pregnancy, infancy, childhood, adolescence, and adulthood. Conditions and diseases commonly seen during the various life cycle states also explored.

Prerequisites

NTN 230

DEPARTMENT:

Applied Health Sciences

NTN350 - Nutrition Counseling and Education

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is intended for students preparing to work in a health-related field. Students will gain competency to effectively translate nutrition science into plain language for patients and clients interested in improving their health. Emphasis will be placed on application of counseling and learning theories that pertain to individuals and groups in clinical and community settings. Students will engage in simulated interviewing and counseling sessions.

Prerequisites

NTN 230

DEPARTMENT:

Applied Health Sciences

NTN371 - Quantity Food Production Practicum

CREDITS:

1 - 2

COURSE LEVEL:

Undergraduate

Description

Field experience to help students apply basic food preparation techniques, safety and sanitation procedures, work organization, and styles of service in quantity food establishments. Three clock hours per week for 1 credit hour, six clock hours per week for 2 credit hours.

Corequisites

NTN 372

DEPARTMENT:

Applied Health Sciences

NTN372 - Quantity Food Production and Purchasing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Examination of the principles and procedures of menu planning, purchasing, and production for a quality food service operation. Complete projects related to menu and recipe development, cost analysis, and purchasing plans while considering budgetary, personnel, and equipment constraints, as well as food safety, sustainability, and food trends.

Prerequisites

NTN 220, 230, and 231

Corequisites

NTN 371

DEPARTMENT:

Applied Health Sciences

NTN373 - Management of Food Service, Personnel and Facilities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Functions of management applied to food service systems; cost analysis and control systems; design of physical facilities and selection of equipment; and training and development of personnel.

Prerequisites

NTN 372

DEPARTMENT:

Applied Health Sciences

NTN374 - Food Service Management Practicum
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Supervised work experience to help students apply concepts of food service management.

Prerequisites

NTN 371 and 372

DEPARTMENT:

Applied Health Sciences

NTN412 - Community Nutrition and Health
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An in-depth investigation of community nutrition programs, including government-related policies as they relate to such programs. Students will evaluate existing programs and have the opportunity to develop a nutrition program for a local community group or organization.

Prerequisites

NTN 230 and 333

DEPARTMENT:

Applied Health Sciences

NTN422 - Meal Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Production and service of nutritious meals for groups in a restaurant type environment. Students manage the meal service incorporating nutrition guidelines as well as resource management principles. Four hours of laboratory and one hour of lecture per week.

Prerequisites

NTN 230, 231, and 372

DEPARTMENT:

Applied Health Sciences

NTN434 - Clinical Dietetics Practicum
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Field experience in clinical dietetics to help students apply classroom instruction in a community facility under the supervision of a Registered Dietitian.

Prerequisites

NTN 440 and permission of instructor

DEPARTMENT:

Applied Health Sciences

NTN435 - Introduction to Pharmacology for Allied Health Professionals
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course explores the general principles of pharmacology, including but not limited to route of medication administration, measurement systems and equivalents, pharmacokinetics, mechanism(s) of action, and side effects of medication use. Medications are presented according to therapeutic or functional classification. This course is intended for individuals pursuing careers in healthcare and/or the allied health professions.

Prerequisites

Eight hours of biology and/or chemistry

DEPARTMENT:

Applied Health Sciences

NTN440 - Medical Nutrition Therapy I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of the role of nutrition in the pathophysiology and care of chronic diseases. Includes an in-depth look at nutrition assessment, including analysis and evaluation of anthropometric, biochemical, diet, and medical data. Emphasis is placed on the nutrition care process in medical conditions such as obesity, cancer, and cardiovascular disease. Material covered in this course serves as a foundation for the material covered in NTN 450.

Prerequisites

NTN 333 and admission to the Dietetics Program

DEPARTMENT:

Applied Health Sciences

NTN445 - Pathophysiology for Nutrition-Related Diseases
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides an in depth study of the pathophysiology associated with nutrition-related diseases. An emphasis is placed on the interrelationships among organ systems in deviations from homeostasis. Course topics include the etiology, signs and symptoms, diagnosis, complications, and treatment of commonly occurring diseases with nutrition-related implications.

Prerequisites

Eight hours of biology and/or chemistry.

DEPARTMENT:

Applied Health Sciences

NTN450 - Medical Nutrition Therapy II
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Continued study of the role of nutrition in the pathophysiology and care of chronic diseases. Emphasis is placed on the nutrition care process in medical conditions such as diabetes, renal disease, digestive diseases, surgery, neurological conditions, pulmonary disease, and nutrition support.

Prerequisites

NTN 440

DEPARTMENT:

Applied Health Sciences

NTN460 - Advanced Clinical Cases in Dietetics
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Continued study of the role of nutrition in the pathophysiology and care of chronic diseases. Emphasis is placed on the design of therapeutic diets and nutrition support regimens for the management of chronically ill patients with multiple comorbidities, including critically ill patients.

Prerequisites

NTN 450

DEPARTMENT:

Applied Health Sciences

NTN480 - Special Problems
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Course designed to enable the student to pursue independent study in selected areas of nutrition or dietetics. May be repeated for a maximum of six credits.

Prerequisites

Consent of the department chair and instructor supervising the project

DEPARTMENT:

Applied Health Sciences

NTN488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Applied Health Sciences

NTN497 - Trends and Issues in Nutrition and Foods
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Topics may differ from semester to semester depending on program needs. Investigation of current problems, issues and topics in food, nutrition and dietetics. May be repeated for a maximum of six credit hours when topic differs.

DEPARTMENT:

Applied Health Sciences

NTN499 - Senior Seminar
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Seminar for students in nutrition or dietetics. Course focuses on employment opportunities, professional issues, the internship application process, interview skills, resume and portfolio development, and related problems. Recommended for students in their senior year.

DEPARTMENT:

Applied Health Sciences

NTN610 - Scholarly Research and Writing for Nutrition Professionals
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Development and refinement of writing skills appropriate for the nutrition professions. Focus on AMA formatting; interpretation of quantitative, qualitative, and mixed methods research; synthesis of literature into scholarly reports. Prerequisite: Admission to post-baccalaureate clinical training program in dietetics.

DEPARTMENT:

Applied Health Sciences

NTN615 - Supervised Professional Practice Primer
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Development of writing skills and nutrition knowledge with a focus on medical terminology, nutrition-related medications, and anthropometric assessment and evaluation within the practice of medical nutrition therapy. Emphasis on application of concepts learned.

Prerequisites

Admission to post-baccalaureate clinical training program in dietetics

DEPARTMENT:

Applied Health Sciences

NTN620 - Nutrition for the Aging Adult
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides an in-depth exploration of the nutrient needs of aging adults and factors that influence their nutrition status. Physiological changes that accompany the aging process are examined. Diseases/conditions commonly seen in the aged population are discussed as well as nutrition recommendations for the prevention and/or treatment of such diseases/conditions. Focus is on current research and evidence-based practice.

Prerequisites

NTN 230 or equivalent

DEPARTMENT:

Applied Health Sciences

NTN621 - Performance Nutrition
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is an advanced overview of nutrition parameters relating to human athletic performance. Course topics include energy needs, timing and compositions of diet throughout the training cycle, hydration, ergogenic aid, vitamins and minerals, weight-management and special nutrition needs for specific populations. Emphasis will be placed on applying evidence-based strategies to realistic case studies.

Prerequisites

NTN 230

DEPARTMENT:

Applied Health Sciences

NTN622 - Trends in the Food Supply
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will examine global trends impacting the food supply, including population growth and shifts in socioeconomic status. Anticipated shifts in dietary patterns and the changing landscape of agriculture will be explored. Current trends in food, agriculture, and nutrition will be examined–from seed to supermarket to plate.

DEPARTMENT:

Applied Health Sciences

NTN623 - Leadership and Management in Food, Nutrition, and Dietetics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course focuses on the development and enhancement of skills and knowledge in the areas of leadership, strategic planning, and management of food, nutrition, and dietetic businesses and organizational units. Management of projects, quality, finances, and human resources is addressed.

DEPARTMENT:

Applied Health Sciences

NTN630 - Nutrient Metabolism
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course offers and in-depth exploration of the digestion, absorption, and transport of macro and micronutrients. Physiological roles of nutrients examined, including their role in disease prevention and/or treatment. Deficiency and toxicity syndromes also investigated.

Prerequisites

NTN 230 and eight hours of biology and/or chemistry

DEPARTMENT:

Applied Health Sciences

NTN633 - Nutrition throughout the Life Cycle
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course examines the nutrient needs of individuals at various stages of the life cycle, including preconception, pregnancy, infancy, childhood, adolescence, and adulthood. Conditions and diseases commonly seen during the various life cycle stages also explored.

Prerequisites

NTN 230 or equivalent

DEPARTMENT:

Applied Health Sciences

NTN635 - Introduction to Pharmacology for Allied Health Professionals
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course explores the general principals of pharmacology, including but not limited to route of medication administration, measurement systems and equivalents, pharmacokinetics, mechanism(s) of action, and side effects of medication use. Medications are presented according to therapeutic or functional classification. This course is intended for individuals pursuing careers in medicine and/or the allied health professions.

Prerequisites

Eight hours of undergraduate-and/or graduate-level biology and/or chemistry

DEPARTMENT:

Applied Health Sciences

NTN640 - Dietetics Clinical Training Primer
CREDITS:

1

COURSE LEVEL:

Graduate

Description

An intensive assessment and review course preparing student clinicians for the hospital dietetics clinical training program. Includes assessment of student competency, rules of general conduct, and review of principles of clinical nutrition and food service management.

Prerequisites

Admission to the post-baccalaureate clinical training program in dietetics

DEPARTMENT:

Applied Health Sciences

NTN641 - Medical Nutrition Therapy I
CREDITS:

4

COURSE LEVEL:

Graduate

Description

A combined didactic and clinical practice course on nutrition therapy encompassing classroom instruction and planned work experiences in a pre-approved hospital training site. Students have the opportunity to apply principles of nutrition therapy in a functional setting.

Prerequisites

Admission to the post-baccalaureate clinical training program in dietetics

DEPARTMENT:

Applied Health Sciences

NTN642 - Management Practice in Dietetics
CREDITS:

2

COURSE LEVEL:

Graduate

Description

A combined didactic and clinical practice course on management in the field of dietetics encompassing classroom instruction and planned work experiences in a pre-approved hospital training site. Students have the opportunity to apply principles of foodservice management in a functional clinical setting.

Prerequisites

Admission to the post-baccalaureate clinical training program in dietetics

DEPARTMENT:

Applied Health Sciences

NTN643 - Community Nutrition
CREDITS:

2

COURSE LEVEL:

Graduate

Description

A combined didactic and clinical practice course on community nutrition encompassing classroom instruction and planned work experiences in a pre-approved hospital training site. Students have the opportunity to apply principles of nutrition therapy in a functional setting.

Prerequisites

Admission to the post-baccalaureate clinical training program in dietetics

DEPARTMENT:

Applied Health Sciences

NTN645 - Pathophysiology for Nutrition-Related Diseases
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides an in-depth study of the pathophysiology associated with nutrition-related diseases. An emphasis is placed on the interrelationships among organ systems in deviations for homeostasis. Course topics include the etiology, signs and symptoms, diagnosis, complications, and treatment of commonly occurring disease with nutrition-related implications.

Prerequisites

Eight hours of biology and/or chemistry

DEPARTMENT:

Applied Health Sciences

NTN651 - Medical Nutrition Therapy II
CREDITS:

4

COURSE LEVEL:

Graduate

Description

A combined didactic and clinical practice course on advanced medical nutrition therapies encompassing classroom instruction and planned work experiences in a pre-approved hospital training sites. Students have the opportunity to apply principles of advanced nutrition therapies in a functional setting.

Prerequisites

Admission to the post-baccalaureate clinical training program in dietetics

DEPARTMENT:

Applied Health Sciences

NTN653 - Advanced Clinical Practice
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A combined didactic and clinical practice experience and daily participation in clinical dietetic patient care in a hospital setting. Designed to comprehensively foster professional growth and competence in the skills required for entry-level dietitians. Assist students in preparing for the registration examination and credentialing process for dietitians.

Prerequisites

Admission to the post-baccalaureate clinical training program in dietetics

DEPARTMENT:

Applied Health Sciences

NTN656 - Nutrition Research Literature Review
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course enables the student to complete an in-depth literature review on a nutrition research focus area and write a research proposal in preparation for NTN 660. The research focus area must be approved by the student's graduate research mentor.

Prerequisites

Approved graduate statistics course and permission of graduate advisor

DEPARTMENT:

Applied Health Sciences

NTN660 - Research Project in Nutrition I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced nutrition research focusing upon the student's area of research interest, enabling the student to survey and review the research literature, collect and analyze research data and prepare the research paper.

Prerequisites

NTN 656, approved graduate statistics course, and permission of graduate research mentor

DEPARTMENT:

Applied Health Sciences

NTN661 - Research Project in Nutrition II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A continuation of the research project developed in NTN 660.

Prerequisites

NTN 660, approved graduate statistics course, and permission of graduate research mentor

DEPARTMENT:

Applied Health Sciences

NUR: Nursing

NUR100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Nursing

NUR200 - Introduction to Nursing Concepts
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course introduces the student to nursing as a profession. The focus of the course is on professional nursing behaviors utilizing the concepts of nursing, person, health and environment with an emphasis on basic nursing concepts such as critical thinking, health promotion and communication.

Prerequisites

Admission to the BSN program

DEPARTMENT:

Nursing

NUR202 - Nursing Assessment and Basic Interventions
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Course providing the didactic and experiential content needed to acquire knowledge and skills to complete a health assessment. Differentiation of nursing responsibilities associated with a variety of health and developmental levels is addressed.

Prerequisites

Admission to the BSN program

DEPARTMENT:

Nursing

NUR203 - Mental Health Nursing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to be an introduction and practice of psychosocial nursing and mental health concepts. The course will introduce skills for assessment and delivery of psycho-social support and team building. Theories of stress, anxiety, crisis, coping and human behavior will be explored. The course will include skills for therapeutic and assertive communication with individuals, groups, and health team members, as well as self-awareness and confidence building exercises. Two hours lecture and three hours laboratory per week.

Prerequisites

Admission to the Nursing Program and COM 161

DEPARTMENT:

Nursing

NUR205 - Pharmacology in Nursing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to present basic facts and principles upon which therapeutic pharmacology is founded. Areas discussed are major drug classifications, desired drug actions, and undesirable side and/or toxic effects of drugs. Emphasis will be placed on the nurse's legal responsibilities in administering these drugs and specific implications which are inherent in drug therapy.

Prerequisites

NUR 200, 202, and 301

DEPARTMENT:

Nursing

NUR206 - Nursing Practice Fundamentals
CREDITS:

0 - 5

COURSE LEVEL:

Undergraduate

Description

A course designed to offer opportunities for the student to gain knowledge and fundamental skills essential to client care and health promotion. Focus of the course is to provide opportunities for building clinical reasoning, practice, and nursing and evaluation skills.

Prerequisites

NUR 200, NUR 202, and 301

DEPARTMENT:

Nursing

NUR301 - Pathophysiology for Nursing Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course serves as an introduction to pathophysiology with applications for BSN practice. Prerequisite: admission to the nursing program and courses in physiology.

Prerequisites

Admission to the BSN program

DEPARTMENT:

Nursing

NUR302 - Nursing Care of the Childbearing Families
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The impact of pregnancy upon the mother's physical and psychological status is studied in depth. Emphasis is placed on the growth and development of the individual from conception through the first four weeks of life. The role of the nurse in health promotion and disease prevention in the childbearing family is emphasized in classroom and clinical experience.

Prerequisites

NUR 205, 206, and 306

DEPARTMENT:

Nursing

NUR305 - Nursing Care of the Childrearing Family
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the nursing of children from infancy through adolescence, including the assessment of physical, psychological, developmental and cultural health needs. The role of the nurse in the care of children and families including health promotion, teaching and counseling and disease prevention is emphasized in classroom and clinical experiences.

Prerequisites

NUR 205, 206, and 306

DEPARTMENT:

Nursing

NUR306 - Introduction to Research and Evidence Based Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course focuses on developing skill in analyzing and critiquing research for clinical application. Evidence based practice is considered in light of improving patient outcomes.

Prerequisites

Completed or concurrently enrolled in Descriptive and Inferential Statistics, STA 135, PSY 300 or 591; NUR 200, 202, and 301

DEPARTMENT:

Nursing

NUR307 - Nursing Care of Adults I
CREDITS:

6

COURSE LEVEL:

Undergraduate

Description

A combined theory/clinical course, which presents physiological and psychological concepts relevant to nursing practice. Theory focuses on the nursing process, concepts and skills of medical-surgical nursing. The clinical focus is on the implementation of the nursing process and developing skills in the care of stable adults and their families.

Prerequisites

NUR 205, 206, and 306

DEPARTMENT:

Nursing

NUR308 - Nursing Care of Adults II
CREDITS:

6

COURSE LEVEL:

Undergraduate

Description

A combined theory/clinical course, which presents physiological and psychological concepts relevant to nursing practice. Theory focuses on the nursing process during phases of common and less common major dysfunction. The clinical focus is on the implementation of the nursing process in the care of stable acute and chronically ill adults and their families.

Prerequisites

NUR 302, 305, and 307

DEPARTMENT:

Nursing

NUR314 - Professional Nursing Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed to provide the student with concepts and theories basic to baccalaureate nursing education. Professional nursing practice is emphasized. Analysis and synthesis of knowledge from other disciplines are incorporated into the practice of nursing.

Prerequisites

Admission to the RN-BSN program and required semester of admission

DEPARTMENT:

Nursing

NUR320 - Holistic Approach to Women's Health Issues
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to provide the student with the opportunity to gain knowledge necessary to give nursing care to women across the life-span. Issues specific to women are studied in depth.

Prerequisites

NUR 305, 308; RN to BSN students-NUR 314

DEPARTMENT:

Nursing

NUR341 - Nursing Assessment
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course providing learning experiences needed to acquire assessment knowledge and skills for eliciting a sound data base. Activities involve interviewing, recognizing psychosocial-developmental status, performing physical examination, interpreting test findings, documenting findings and stating nursing diagnoses. Differentiation of nursing responsibilities associated with a variety of health states and developmental levels is addressed. Two hours theory and three hours laboratory weekly.

Prerequisites

Admission to RN-BSN program and NUR 314 with a minimum grade of C

DEPARTMENT:

Nursing

NUR370 - International Health Seminar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will study and experience the historical and cultural influences of health through the study abroad program. The seminar includes travel, study, visits to health agencies and other experiential assignments in various countries. At the instructor's discretion, the seminar may focus on a specific topic or theme. Only those students enrolled in the International Health Seminar study abroad program are permitted to enroll in this course.

DEPARTMENT:

Nursing

NUR400 - Applied Pharmacology
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This course is designed to help nursing students apply principles and concepts related to drug therapy in practice.

Prerequisites

NUR 302, 305 and 307

DEPARTMENT:

Nursing

NUR402 - Psychiatric Nursing
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

The focus of this course is care of individuals, families, and groups with actual or potential psychiatric illness. Students are provided the opportunity to utilize knowledge and promote mental health across the life span. Also included is an exploration of the mental health care delivery system and community resources available. The course offers opportunities for students to enhance personal and interpersonal awareness. Knowledge synthesized from classroom and laboratory experiences provide the base for psychiatric nursing practice. (Credit hours reflect 3 weekly hours didactic and 1 hour clinical rotation which equates to 45 clock hours of lab.)

Prerequisites

NUR 302, 305, and 307

DEPARTMENT:

Nursing

NUR403 - Community Nursing
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An overview of the philosophy of community health care and trends in community health services delivery. The emphasis is on prevention of illness and promotion of health of individuals, families, communities, and related socio-cultural and environmental factors. A brief description of the political and financial structure at the local, state and national level is presented along with community health nursing's relationship to it. Practice projects include but are not limited to a community assessment and community implementation project.

Prerequisites

completed or concurrently enrolled in NUR 314 with a minimum grade of C

DEPARTMENT:

Nursing

NUR404 - Leadership and Management in Nursing
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study and/or review of leadership and management concepts relevant to working with groups of people in providing care for groups of clients with an emphasis on the application and integration of nursing knowledge. Through the completion of practice projects the student will work collaboratively as a leader with other health care personnel.

Prerequisites

completed or concurrently enrolled in NUR 314

DEPARTMENT:

Nursing

NUR405 - The Nursing Profession and Health Care Delivery

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An identification and analysis of the current and emerging issues in nursing and those forces impinging upon the nursing profession and health care delivery. Nursing as an independent profession, and the interdependent and collaborative relationships with other health related professions will be explored.

Prerequisites

Completed or concurrently enrolled in NUR 314 with a minimum grade of C

DEPARTMENT:

Nursing

NUR407 - Integration Practicum

CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A combined seminar/clinical course to allow clinical integration of all study in previous nursing courses. The focus of the course is on clinical application of physiological and psychological concepts in caring for clients with complex health problems and their families in acute care settings. The seminar component is to provide direction in using the nursing process in the care of ill adults and families with complex health problems. One hour lecture and nine hours clinical laboratory weekly.

Prerequisites

All courses in the nursing curriculum and NCLEX Readiness Test

DEPARTMENT:

Nursing

NUR408 - Nursing Care of Adults III

CREDITS:

6

COURSE LEVEL:

Undergraduate

Description

A combined theory/clinical course, which presents physiological and psychological concepts relevant to nursing practice. Theory focuses on the nursing process during phases of common and less common major dysfunction. The clinical focus is on the implementation of the nursing process in the care of acute and critically ill adults and their families.

Prerequisites

NUR 308, 400, 402, 410

DEPARTMENT:

Nursing

NUR409 - Issues in Healthcare Delivery

CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

An identification and analysis of the current and emerging issues in nursing and the social, political and economic forces impinging upon the nursing profession and health care delivery are the focus of this course. Nursing as an independent profession and the inter-dependent and collaborative relationships with other health related professions will be explored.

Prerequisites

NUR 305 and 308

DEPARTMENT:

Nursing

NUR410 - Community Health Nursing
CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

An overview of the philosophy of community health care and trends in the community health services delivery. The emphasis is on prevention of illness and promotion of health of individual, families, communities, and related sociocultural and environmental factors. A brief description of the political and financial structure at the local, state, national, and international levels is presented along with community health nursing's relationship to it.

Prerequisites

NUR 302, 305, and 307

DEPARTMENT:

Nursing

NUR411 - Problems in Nursing
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Designed to permit special study in selected problems of nursing.

Prerequisites

Consent of instructor and approval of written proposal

DEPARTMENT:

Nursing

NUR412 - Leadership and Management in Nursing
CREDITS:

5

COURSE LEVEL:

Undergraduate

Description

The focus of this course is on basic organizational and systems leadership for patient safety and quality care, healthcare policy, finance, and regulation. Emphasis is placed on evidence-based practice, interprofessional communication, and collaboration for improving patient outcomes. The clinical component of this class is 45 hours.

Prerequisites

NUR 308, 400, 402, and 410

DEPARTMENT:

Nursing

NUR416 - Critical Care Skills
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course is designed to provide the content and skills in Advanced Cardiopulmonary Life Support (ACLS) and Pediatric Advanced Life Support (PALS) required to become ACLS and PALS certified.

Corequisites

Current Basic Life Support Certification-Healthcare Provider (BLS) from the American Heart Association and NUR 408

DEPARTMENT:

Nursing

NUR440 - Directed Study
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Faculty directed study is available for students, individually or in groups, who want to investigate special problems extending study begun in course work in clinical nursing. May be repeated for a maximum of six hours.

Prerequisites

Approval of written proposal and consent of the instructor directing the study

DEPARTMENT:

Nursing

NUR445 - The Professional Nurse as Client Educator
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Patient education is an elective course in nursing designed to assist the nurse to develop those skills and intellectual competencies necessary for providing comprehensive health education across the lifespan. The role of the professional nurse as client educator will be explored. Two hours lecture/seminar and three hours clinical laboratory weekly.

Prerequisites

NUR 205 and 206 or R.N. status

DEPARTMENT:

Nursing

NUR447 - Stress Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to acquaint the student with methods of personal stress and lifestyle management. It provides a foundation in wellness and stress management concepts and practices that the student can use in both professional and personal realms throughout the lifespan.

DEPARTMENT:

Nursing

NUR450 - Independent Study
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Faculty supervised individual study and/or investigation of selected areas of nursing related to student's academic and/or career goals.

Prerequisites

Senior standing and consent of department chair

DEPARTMENT:

Nursing

NUR460 - Special Topics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course designed to assist students in expanding their knowledge base and developing additional skills in the field of nursing. Topics may vary depending on current issues and practices. Course may be repeated once with instructor's approval.

DEPARTMENT:

Nursing

NUR470 - Complementary Healing Modalities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A combined theory/clinical course which explores complementary healing modalities as therapeutic nursing interventions that can be used with traditional medical practices or when traditional medical practices offer no cure or relief. A specific complementary healing modality (therapeutic touch) will be fully examined and practiced in the field setting.

Prerequisites

NUR 206 or R.N. status; both must meet clinical requirements

DEPARTMENT:

Nursing

NUR488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Nursing

NUR500 - Nursing Experiences
CREDITS:

22

COURSE LEVEL:

Undergraduate

Description

For this course, an assessment will be made of previous educational experiences from universities and community colleges used to complete an Associate's degree in nursing. Also, work experiences will be assessed. Students will add this course during the semester they plan to graduate.

DEPARTMENT:

Nursing

NUR603 - Theory and Concept Analysis in Nursing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Introduction to the nature and uses of theory; the process of theory construction and concept analysis. Major theories of nursing and concepts and theories from the sciences basic to nursing analyzed with emphasis on implications for nursing practice.

Prerequisites

Admission to DNP program

DEPARTMENT:

Nursing

NUR631 - Advanced Nursing Research and Evidence-Based Practice
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will focus on the analysis and application of clinical research and evidence-based practice. The course will prepare students to use evidence in clinical decision making to improve patient outcomes. The research process, including the examination and analysis of quantitative and qualitative methods will be included. This course focuses on the critical appraisal of external evidence, evaluation of indicators/outcomes of health care, application and dissemination of relevant findings to improve practice and practice environments.

Prerequisites

NUR 630

DEPARTMENT:

Nursing

NUR641 - Advance Nursing Assessment
CREDITS:

4

COURSE LEVEL:

Graduate

Description

A combined theory/practicum course which introduces advanced assessment of patients in a variety of settings across the lifespan. Emphasis will be placed on advanced health assessment, growth and development across the lifespan, and health promotion and maintenance. Content will include techniques for comprehensive, holistic health assessment as well as focused assessment for common health problems.

Prerequisites

Admission to the DNP program

DEPARTMENT:

Nursing

NUR642 - Advanced Pharmacology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to provide the advanced practice nurse with the theoretical and scientific basis for utilizing pharmacotherapeutics in advanced nursing practice. Throughout the course the role of clinical protocols and the privileges and responsibilities of prescription are emphasized.

Prerequisites

Admission to the DNP program

DEPARTMENT:

Nursing

NUR673 - Pathophysiology in Advanced Nursing Practice I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This is the first of two courses designed to provide an in-depth knowledge of advanced pathophysiology with applications for advanced practice registered nursing (APRN) practice.

DEPARTMENT:

Nursing

NUR674 - Pathophysiology in Advanced Nursing Practice II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This is the second of two courses designed to develop an in-depth knowledge of pathophysiology with applications for advanced practice registered nursing (APRN) practice.

Prerequisites

Admission to DNP program

DEPARTMENT:

Nursing

NUR680 - Independent Study
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Nursing

NUR698 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

.

DEPARTMENT:

Nursing

NUR699 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Nursing

NUR900 - Philosophy of Science
CREDITS:

3

COURSE LEVEL:

Graduate

Description

History and philosophy of science studied within context of Western philosophical systems and epistemology. Emphasis is on ways of knowing and way of thinking as they relate to the advancement of science and with relevance toward further development of the discipline of nursing.

DEPARTMENT:

Nursing

NUR901 - Foundations of Advanced Nursing Practice
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Explores the evolution of advanced practice nursing, initiatives for change and issues related to advanced practice on the health of society. Examines the different roles in-depth, the need for referral/collaboration between and among APN's. Compares ethical theories and implication for decision-making. Examines the existing and future roles for advanced practice in the United States and worldwide and their impact on health.

DEPARTMENT:

Nursing

NUR902 - Ethics in Nursing
CREDITS:

2

COURSE LEVEL:

Graduate

Description

This course traces the development of select moral concepts and values relevant for health care professionals: informed consent, conflict of interest existential advocacy, confidentiality, accountability, care, competence, power, relationships, marginalization and vulnerability. Theories, concepts, methods, and research central to ethical professional role formation are examined. Ethical reasoning skills necessary for maintaining moral accountability in practice are developed. Models of independent, collaborative, and multidisciplinary practice for professional role acquisition are explored.

DEPARTMENT:

Nursing

NUR903 - Principles of Epidemiology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Introduction to the basic principles and method of epidemiology. Topics covered include the historical perspective of epidemiology, measures of disease occurrence and of association, clinical epidemiology, disease screening, causal inference, and study design.

Prerequisites

STA 660

DEPARTMENT:

Nursing

NUR904 - Informatics and Patient Care Technology

CREDITS:

2

COURSE LEVEL:

Graduate

Description

This course explores the use of information systems and patient care technology to support and improve patient care and provide leadership within healthcare systems and/or academic settings. The focus of this course is on the integration of informatics knowledge, skills, and attitudes to support culturally sensitive, evidence-based practice at a leadership level. Knowledge and skills related to information systems/technology and patient care technology, management of individual and aggregate level information, and assessment of the efficacy of patient care technology are emphasized.

Prerequisites

STA 660

DEPARTMENT:

Nursing

NUR905 - Health Care Policy

CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course focuses on health care policy, economics and finance and how they impact the health care of individuals and populations. Health policy proposals, health policies and related issues from the perspective of consumers, nursing, other health care professions and other stakeholders will be critically analyzed. The conceptual basis and methods of financial analysis and decision making as they pertain to the healthcare delivery systems are analyzed. Health care economics, marketing principles, human resource management, and the influence of Health People 2010 and 2020 objectives that impact current healthcare environments are explored.

Prerequisites

Admission to the DNP program

DEPARTMENT:

Nursing

NUR906 - Leadership and Quality Improvement/Patient Safety
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The focus of this course is organizational and systems leadership that emphasizes practice, improvement of health outcomes, and patient safety initiatives.

Prerequisites

NUR 905

DEPARTMENT:

Nursing

NUR907 - Quality Improvement and Patient Safety
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The focus of the course is to enhance the student's ability to critically analyze current healthcare delivery models and conceptualize new care delivery models to impact patient safety and outcomes. Building on political skills and systems thinking, students will design practice initiatives to minimize risks, reduce health disparities and improve healthcare outcomes.

Prerequisites

NUR 905

Corequisites

NUR 906

DEPARTMENT:

Nursing

NUR908 - DNP Seminar
CREDITS:

2

COURSE LEVEL:

Graduate

Description

In this course, students will explore leadership in quality improvement, health policy and clinical practice. Using discussion, the seminar format will promote the synthesis of all factors that influence health care and the role of Advanced Practice Nursing.

Prerequisites

All required 900 level courses in the curriculum

DEPARTMENT:

Nursing

NUR909 - Capstone
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This capstone course provides an experience for the student to demonstrate mastery of an advanced specialty, document the synthesis of prior course work and lays the groundwork for future scholarship via varied types of scholarly endeavors. Capstone projects primarily focus on the appraisal and translation of theory and evidence to practice. The actual appraisal and translational process itself is complex and involves many layers of consideration. The entire process entails a dynamic and interactive progression of phases. The connecting theme in the scholarly endeavor is the use of best practice evidence to improve either practice or patient outcomes.

DEPARTMENT:

Nursing

NUR910 - Advanced Practice Clinical Residency
CREDITS:

6

COURSE LEVEL:

Graduate

Description

This practicum offers experience in integrating and synthesizing components of theory, practice and research in providing APRN care. Focus is on role development of the APRN in their specified population and foci of practice. Emphasis will be on integrating all previous course work and assimilating the APRN role and DNP core competencies in practice.

DEPARTMENT:

Nursing

NUR911 - Clinical Residency I, II, III
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Individualized practicum offers experience that will expand expertise and specialized knowledge in the selected systems-focused advanced nursing practice specialty role. This course may be repeated up to nine credit hours. Emphasis will be on integrating all previous cousework and assimilating the APRN role and DNP core competencies in practice.

Prerequisites

Admission into the post-master's to Doctor of Nursing Practice (DNP) program

DEPARTMENT:

Nursing

NUR912 - Capstone Residency
CREDITS:

1

COURSE LEVEL:

Graduate

Description

This capstone course guides the BSN-DNP student through capstone project from developing a clinical project to implementation and evaluation of the project. Clinical hours selected to move the project forward and integrate the DNP program outcomes will be included. The course will be repeated twice.

Prerequisites

NUR 630

DEPARTMENT:

Nursing

NUR920 - Exacerbation of Chronic Health Problems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course focuses on the essential characteristics and role development of the clinical nurse specialist (CNS) in theory-based practice and interrelationships among concepts, phenomena, human responses and nursing therapeutics for clients with acute exacerbations of chronic health problems across the lifespan. Values, beliefs, and attitudes about advanced nursing, health, and holism are explored.

Prerequisites

NUR 603, NUR 673, NUR 641, NUR 901, and NUR 902

Corequisites

NUR 642

DEPARTMENT:

Nursing

NUR921 - Advanced Practice in Acute Care Setting
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course focuses on the essential characteristics and role development of the clinical nurse specialist (CNS) in adult health, theory-based practice and interrelationships among concepts, phenomena, human responses and nursing therapeutics. Values, beliefs, and attitudes about advanced nursing, health, and holism are explored.

Prerequisites

NUR 920

Corequisites

NUR 922

DEPARTMENT:

Nursing

NUR922 - Advanced Practice in Critical Care
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course focuses on the essential characteristics and role development of the clinical nurse specialist (CNS) in theory-based practice and interrelationships among concepts, phenomena, human responses and nursing therapeutics for clients across the lifespan with critical health problems. Values, beliefs, and attitudes about advanced nursing, health, and holism are explored.

Prerequisites

NUR 920

Corequisites

NUR 921

DEPARTMENT:

Nursing

NUR923 - Advanced Acute Care for Pediatrics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course focuses on the essential characteristics and role development of the clinical nurse specialist (CNS) in theory-based practice and interrelationships among concepts, phenomena, human responses and nursing therapeutics for pediatric clients needing acute care in various settings.

Prerequisites

NUR 922

Corequisites

NUR 924

DEPARTMENT:

Nursing

NUR924 - CNS Procedure and Diagnostics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to provide the CNS students the foundation necessary for performing necessary procedures and the diagnosis and management of patients across the lifespan with acute illness and/or acute exacerbation of chronic illness. Emphasis is placed on patient care problems organized by systems in the context of the nursing process, the CNS spheres of influence and advanced standards of practice and professional performance.

Prerequisites

NUR 922

Corequisites

NUR 924

DEPARTMENT:

Nursing

NUR925 - Advanced Practice in Emergency Care
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course focuses on the essential characteristics and role development of the clinical nurse specialist (CNS) in theory-based practice and interrelationships among concepts, phenomena, human responses and nursing therapeutics for clients needing emergency care in various settings.

Prerequisites

NUR 923 and 924

DEPARTMENT:

Nursing

NUR926 - Acute Care Intensivist Practicum

CREDITS:

5

COURSE LEVEL:

Graduate

Description

This course provides the experience necessary to help the student apply the knowledge required to develop sound clinical judgment and identify appropriate diagnostic and therapeutic interventions to manage acute illness across the lifespan in an acute care setting. The focus ranges from health and disease prevention to diagnosis and management of selected common acute and exacerbation of chronic problems that require hospitalization.

Prerequisites

NUR 925

DEPARTMENT:

Nursing

NUR929 - Introduction to Primary Care

CREDITS:

4

COURSE LEVEL:

Graduate

Description

This is a didactic and clinical course that introduces the student to the practice of primary care to families and individuals across the lifespan. Emphasis is on the beginning development of a knowledge base necessary for clinical decision-making and the beginning refinements of a model of practice with the individual or family as the unit of service. Clinical hours are required.

Prerequisites

NUR 603 and 641

DEPARTMENT:

Nursing

NUR930 - Foundations in Family Nursing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will provide an in-depth study of concepts, theories, research, issues, trends, and public policy relevant to family health. It is designed to help the student develop the knowledge necessary to become a specialist in family nursing in the primary and specialty care setting and the community. Emphasis will be placed on developing a theoretical basis for intervention with families through direct care and facilitation family decision-making and self care.

Prerequisites

NUR 603, NUR 605, and NUR 641

DEPARTMENT:

Nursing

NUR931 - Primary Care of the Family I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This is the first of a two course sequence designed to provide advanced knowledge of acute and chronic health problems of individuals and families of various age groups in rural settings. Emphasis is on the beginning development of a knowledge base necessary for clinical decision-making and the beginning refinements of a model of practice with the family as the unit of service.

Prerequisites

NUR 929

Corequisites

NUR 932

DEPARTMENT:

Nursing

NUR932 - Primary Care of the Family Clinical I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This clinical course is focused on preparing the student to provide primary care to individuals and families across the lifespan. Emphasis is on the application of coursework and best evidence for practice to develop sound clinical judgement in the assessment, diagnosis, and management of health problems and health promotion within the scope of practice of a family nurse practitioner.

Corequisites

NUR 931

DEPARTMENT:

Nursing

NUR933 - Primary Care of the Family II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This is the second of a two course sequence designed to provide advanced knowledge of acute and chronic health problems of individuals and families of various age groups in rural settings. Emphasis is on the beginning development of a knowledge base necessary for clinical decision-making and the beginning refinements of a model of practice with the family as the unit of service.

Prerequisites

NUR 931 and 932

Corequisites

NUR 934

DEPARTMENT:

Nursing

NUR934 - Primary Care of the Family Clinical II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This is the second in a series of advanced practice nursing clinical courses focusing on the development of the advanced practice knowledge and skills required to provide primary care services to families, particularly those in rural settings. Emphasis is on the continuing development and use of a knowledge base necessary for clinical decision making with the family as the unit of service.

Corequisites

NUR 933

DEPARTMENT:

Nursing

NUR935 - FNP Clinical Procedures and Diagnostics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A theory and clinical procedures course designed to provide family practice advance practice nurses the skills and procedures necessary for the clinical management of selected clients.

Prerequisites

NUR 933 and 934

DEPARTMENT:

Nursing

NUR936 - Advanced Primary Care Nursing Practicum
CREDITS:

5

COURSE LEVEL:

Graduate

Description

This practicum course focuses on continued development of the use of clinical and analytical skills in providing primary care for families and individuals across the lifespan. There is an additional focus on preparation for independent practice including certification, licensure, transition to the workplace, and the business aspects of practice. Students are expected to integrate all previous course work in assimilating the role of the family nurse practitioner.

Prerequisites

NUR 935

DEPARTMENT:

Nursing

NUR937 - Primary Care III
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This didactic and clinical course is the third of a three course sequence designed to provide advanced knowledge of acute and chronic health problems of individuals and families of various age groups in rural settings. Emphasis is on the continued development of the knowledge base necessary for clinical decision-making and refining a model of practice with the individual or the family as a unit of service.

Prerequisites

NUR 933 and 934

DEPARTMENT:

Nursing

NUR939 - Foundations of Nurse Anesthesia I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is the first of two basic principles courses providing an analysis of fundamental principles of anesthesia management and practice with an emphasis on best practices and the safe use of anesthesia delivery systems and related equipment. This course synthesizes the AANA Standards for Nurse Anesthesia Practice and Theory, emphasizing culturally competent individualized care across the life span. Content focuses on principles related to patient and provider safety, anesthesia equipment and technology, and pharmacologic agents commonly used in anesthesia. Patient simulation labs will be utilized for development and evaluation of psychomotor skills.

Prerequisites

Admission to the graduate program

DEPARTMENT:

Nursing

NUR940 - Foundations of Nurse Anesthesia II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is the second of two basic principles courses, which adds a combined theory/practicum, providing an analysis of fundamental principles of anesthesia management and practices and the safe use of anesthesia delivery systems and related equipment. This course synthesizes the AANA Standards for Nurse Anesthesia Practice and Theory, emphasizing culturally competent individualized care across the life span. Content focuses on principles related to patient and provider safety, anesthesia equipment and technology, and pharmacologic agents commonly used in anesthesia. Patient simulation labs and clinical practicum will be utilized for development and evaluation of psychomotor skills.

Prerequisites

Admission to the nursing graduate program

DEPARTMENT:

Nursing

NUR941 - Principles and Practice of Nurse Anesthesia I
CREDITS:

6

COURSE LEVEL:

Graduate

Description

This is the first of four combined theory/practicum courses designed to develop an in-depth understanding of anesthesia principles and application.

Prerequisites

NUR 940

DEPARTMENT:

Nursing

NUR943 - Principles and Practice of Nurse Anesthesia II
CREDITS:

4

COURSE LEVEL:

Graduate

Description

This is the second of four combined theory/practicum courses designed to develop an in-depth understanding of anesthesia principles and application.

Prerequisites

NUR 941

DEPARTMENT:

Nursing

NUR944 - Advanced Pharmacology Nurse Anesthesia
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to provide and in-depth understanding of the general principles of pharmacodynamics and the administration of drugs used in the practice of anesthesia.

Prerequisites

NUR 642

DEPARTMENT:

Nursing

NUR945 - Principles and Practice of Nurse Anesthesia III
CREDITS:

6

COURSE LEVEL:

Graduate

Description

This is the third of four combined theory/practicum courses designed to develop an in-depth understanding of anesthesia principles and application.

Prerequisites

NUR 943

DEPARTMENT:

Nursing

NUR946 - Principles and Practice of Nurse Anesthesia IV
CREDITS:

5

COURSE LEVEL:

Graduate

Description

This is the last of four combined theory/practicum courses designed to develop an in-depth understanding of anesthesia principles and application.

Prerequisites

NUR 945

DEPARTMENT:

Nursing

NUR947 - Advanced Principles and Practice of Nurse Anesthesia
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This is the third of three combined theory/practicum courses designed to develop, examine, and apply advanced principles and practice of nurse anesthesia in complex procedures.

Prerequisites

NUR 943

Corequisites

NUR 945

DEPARTMENT:

Nursing

NUR948 - Senior Seminar I and II
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course is designed to provide a comprehensive review to prepare the student for certification completed over two consecutive semesters. Course will be taken twice.

Prerequisites

NUR 947

DEPARTMENT:

Nursing

NUR949 - Professional Aspects and Clinical Residency for Nurse Anesthesia
CREDITS:

6

COURSE LEVEL:

Graduate

Description

This is a combined theory/practicum course designed to develop mastery in application of physiological, pathophysiological, and pharmacologic principals as they apply to complex anesthesia care.

Prerequisites

NUR 946

DEPARTMENT:

Nursing

NUR950 - Chemistry and Physics for Nurse Anesthesia
CREDITS:

2

COURSE LEVEL:

Graduate

Description

This is a theory course designed to develop mastery in the application of physics and chemistry as related to physiological, pathophysiological, and pharmacological principles in nurse anesthesia.

Prerequisites

NUR 941

DEPARTMENT:

Nursing

OSH: Occupational Safety and Health

OSH100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Meetings with advisors, department personnel, service areas, and campus field trips comprise the main involvement. Availability of university resources is stressed with emphasis on personal needs. Graded pass/fail.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH101 - Emergency Medical Training
CREDITS:

6

COURSE LEVEL:

Undergraduate

Description

Designed to cover the overall role and responsibilities of the emergency medical technician - basic in performing both the emergency care and operational aspects of his/her job. Also covers diagnosis and all emergency treatment procedures short of those rendered by physicians. Successful completion of all required coursework and examinations will qualify the student to apply for state and national registry certification.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH192 - Introduction to Occupational Safety and Health
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will be introduced to OSHA standards in the 29 CFR 1910 for General Industry. Students will also be introduced to safety management principles and will apply hazard identification and injury prevention techniques.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH201 - Advanced Emergency Medical Technician Training
CREDITS:

9

COURSE LEVEL:

Undergraduate

Description

Course is required to apply for certification as an Advanced Emergency Medical Technician (AEMT). This course introduces the theory and application of concepts related to the profession of the AEMT. Prepares students to provide basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system. Advanced Emergency Medical Technicians function as part of a comprehensive EMS response, under medical oversight. Advanced Emergency Medical Technicians perform interventions with the basic and advanced equipment typically found on an ambulance. The Advanced Emergency Medical Technician is a link from the scene to the emergency health care system. Successful completion of the program allows the successful AEMT course participant to take the National Registry of Emergency Medical Technicians AEMT certification examination and apply for state licensure as an AEMT.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH299 - Professional Development Seminar
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Seminar for students in the occupational safety and health field, focusing on the job search process, employment opportunities, interviewing techniques, and current management topics. Introductory-level course recommended for students not only preparing for internships, but those preparing to transition from college to career. Graded pass/fail.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH301 - Product Liability
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the problems and current practices in both industry and government pertaining to the design, production, testing and economic consideration of product hazards. Attention will be given to the impact of design deficiencies on the public and the liability involved.

Prerequisites

EGD 120

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH310 - Fire and Emergency Preparedness Preplanning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Analysis of the historical perspective of fire science and examination of the various fields of study that make up the fire science curriculum. Fire control through building construction, occupancy, occupancy hazard control, life-saving tactics and knowledge. Control of flammable gases, solids, liquids, dusts, chemicals and explosives. In addition, the course is designed to develop an awareness and comprehension of the disasters known to modern man, including a detailed description of their characteristics and physical destructive potential, and to develop student awareness of all agency, public and individual responsibilities prior to, during and after the occurrence of any type of disaster.

Prerequisites

OSH 192

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH311 - Hazardous Materials and Emergency Planning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to develop an awareness and comprehension of disaster response programs, operations and responsibilities emphasizing the transportation, storage and handling of hazardous materials.

Prerequisites

OSH 192 and CHE 105 as pre- or corequisite

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH320 - Environmental and Occupational Health Engineering Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An environmental overview course that examines scientific causes and engineering solutions to water and air pollution problems. Focus is on adverse effects, generation sources, scientific principles, and EPA engineering control strategies. Solid and hazardous waste disposal methods are also covered.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH330 - Global Issues in Occupational Safety and Health
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to introduce the student to international issues in Occupational Safety and Health. The primary focus is for students to understand how culture can affect perceived risk and ultimately risk assessment. Course will be conducted in destination country.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH353 - Prevention of Musculoskeletal Disorders in the Workplace
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course examining the occurrence and prevention of musculoskeletal disorders (MSDs) in the workplace. Emphasis is on recognizing and identifying MSD signs and symptoms, contributing risk factors, control methods, training and prevention program development and implementation, and management issues.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH370 - Professional Internship I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Work experience or training in industry. Evaluation of work experience made by department. Graded pass/fail.

Prerequisites

Junior standing

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH371 - Professional Internship II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Work experience or training in industry. Evaluation of experience made by department. Graded pass/fail.

Prerequisites

Junior standing

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH384 - Construction Safety
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will include management techniques necessary to address the unique needs of the construction workplace as contrasted to general industry, as well as a study of applicable standards and methods of recognition, avoidance and prevention of potential hazards.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH387 - OSH Standards
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of OSHA standards and various consensus standards affecting occupational safety and health. Students will become adept at identifying, interpreting and applying appropriate 29 CFR 1910 requirements for situations frequently faced by occupational safety and health professionals. "Best practices" related to mandatory standards will also be discussed.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH412 - Emergency Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory course covering the five major areas of emergency management: hazard assessment, mitigation, planning, response, and recovery. A field trip may be required.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH420 - Fundamentals of Industrial Hygiene
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the field of industrial hygiene, including the chemical, physical, and biological agents which affect the health and safety of employees; the application of control measures for the various agents; study of threshold limit values and occupational health toxicology.

Prerequisites

CHE 105

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH425 - Physical Agents
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The study of physical agents including noise, radiation (ionizing and non-ionizing forms), abnormal atmospheric pressure, and heat and cold stresses in the workplace. Emphasis is given to properties, measurements, health effects and engineering controls recommended and practiced by OSHA.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH445 - Loss Control Management and Measurement
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An analysis of actual or potential exposures to hazards and their resultant losses posed by agents, energy forms, forces, and substances in the workplace; measuring the loss exposures created by those hazards; and managing the appropriate counter measures to compensate for perils presented by those losses.

Prerequisites

OSH 192

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH450 - Practical Application Laboratory
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course designed to familiarize students with the various instruments that are utilized in occupational safety and health (industrial hygiene, ergonomics, and environmental sciences), understand calibration of these instruments, and provide hands-on experience with various types of equipment. OSH 425 prior to this course is strongly advised.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH452 - Systems Approach to Hazard Control
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to identify the broad spectrum of actual and potential hazards existing in systems using methodological system approaches. Emphasis is on systems safety analysis techniques such as fault tree analysis, event tree analysis, energy trace and barrier analysis, and human error and reliability.

Prerequisites

STA 135 and junior standing

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH453 - Human Factors in Safety Engineering
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An analysis of the man-machine relationship and the biological, physiological and psychological factors that contribute to accident causation; examination of theoretical and applied research findings.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of chair

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH499 - Professional Development Seminar II
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Seminar for students in occupational safety and health, focusing on the transition to the world of work and related problems. Recommended for students in the senior year. Graded pass/fail.

Prerequisites

OSH 299

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH511 - Hazardous Waste Site Operation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will train the student to become a hazardous materials specialist. The course will explore the various aspects of the hazardous waste site (especially Superfund Sites), including rights and responsibilities, hazard recognition and monitoring.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH523 - Occupational Diseases
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of occupational diseases covering routes of entry and modes of action. In particular, the pathogenicity, epidemiology and diagnosis of occupational diseases will be stressed as they relate to chemical, biological and radiological hazards, dermatoses, airway diseases, plant and wood hazards, chemical carcinogens, and pesticides.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH527 - Air Contaminants and Industrial Ventilation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course examining air contaminant problems, gas calculations, and industrial ventilation. This course covers the EPA laws and regulations, and the scientific principles and controls of classical air pollution problems. It also focuses on the engineering evaluation and design of industrial ventilation systems.

Prerequisites

OSH 420 (pre- or corequisite)

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH536 - Motor Fleet Safety
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A basic introduction to problems and practices of motor fleet safety programming with emphasis on regulatory requirements.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH546 - Fundamentals of Risk Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of risk management: the process of making and implementing decisions that enable an organization to optimize its level of risk. Risk management topics include risk identification, risk assessment, development of appropriate controls, and risk communication.

Prerequisites

OSH 192

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH550 - Safety and Health Program Management and Training
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The concepts, relationships and principles of managing the occupational safety and health function and the development of training procedures and practices to integrate that function into the organization.

Prerequisites

Senior standing

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH571 - Problems in Safety and Health
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Individual study and research relating to safety and health. May be repeated once for a maximum of six credit hours.

Prerequisites

Instructor approval of problem prior to registering for course and junior standing

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH578 - Workshop in Safety and Health
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Workshops on topics pertinent to safety and health. May be repeated once for a maximum of six credit hours.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH591 - Engineering and Technical Aspects of Safety
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the fundamental engineering principles of electricity, statics, strength of materials, biomechanics, and other aspects of engineering related to safety. Emphasis is placed on the application of engineering principles to safety practices, hazard mitigation, and loss control.

Prerequisites

MAT 230 and PHY 125

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH621 - Industrial Hygiene and Safety Program Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Advanced, in-depth study of harmful chemical, biological and physical agents found in the workplace. Emphasis is on analytical methods, control measures, monitoring and surveillance techniques, and developing and writing a comprehensive industrial hygiene or safety program.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH622 - Toxicology of Industrial Materials
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the environmental and occupational health effects and hazards associated with the exposure to industrial chemicals and contaminants. This course will cove the basic principles of toxicology, target organ toxicities, and the mechanisms involved in toxic effects.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH623 - Occupational Diseases
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Survey of occupational diseases covering routes of entry and modes of action. In particular, the pathogenicity, epidemiology and diagnosis of occupational diseases will be stressed as they relate to chemical, biological and radiological hazards, dermatoses, airway diseases, plant and wood hazards, chemical carcinogens, and pesticides.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH626 - Industrial Hygiene and Sampling Strategies
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Advanced in-depth study of the approaches to workplace sampling. Emphasis is on statistical sampling methods, passive monitoring, colorimetric devices, breathing zone and area sampling strategies. Course work will include laboratory exercises and field experience.

Prerequisites

OSH 420 and PHY 125

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH627 - Air Contaminants and Industrial Ventilation
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course examining air contaminant problems, gas calculations, and industrial ventilation. This course covers the EPA laws and regulations, and the scientific principles and controls of classical air pollution problems. It also focuses on the engineering evaluation and design of industrial ventilation systems.

Prerequisites

OSH 420 (pre- or corequisite)

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH630 - Global Issues in Occupational Safety and Health
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is designed to introduce the student to international issues in Occupational Safety and Health. The primary focus is for students to understand how culture can affect perceived risk and ultimately risk assessment. Course will be conducted in destination country.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH636 - Transportation Safety
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An introduction to problems and practices of transportation safety-related issues including a review of regulatory compliance.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH637 - Biostatistics and Probability
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The study and application of biostatistics and probability distributions in environmental and health-related sampling. Emphasis is given to hypothesis testing and graphical determination of confidence intervals. This course will also cover the use and application of log scales and their application in log-normal distributions.

Prerequisites

PSY 300 or STA 135

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH640 - Safety and Health Program Management and Training
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The concepts, relationships and principles of managing the occupational safety and health function and the development of training procedures and practices to integrate that function into the organization.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH644 - Graduate Cooperative Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours. Graded pass/fail.

Prerequisites

Permission of the department chair

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH645 - Loss Control Management and Measurement
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An analysis of actual or potential exposures to hazards and their resultant losses posed by agents, energy forms, forces and substances in the workplace; measuring the loss exposures created by those hazards; and managing the appropriate counter measures to compensate for perils presented by those losses.

Prerequisites

OSH 192

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH646 - Fundamentals of Risk Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An overview of risk management: the process of making and implementing decisions that enable an organization to optimize its level of risk. Risk management topics include risk identification, risk assessment, development of appropriate controls, and risk communication.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH650 - OSH Organizational Leadership and Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An overview of the safety and health leader's role in accomplishing organizational objectives emphasizing leadership and management. Concepts covered include safety and health-related leadership issues, implementation of codes and standards, integration of leadership with safety engineering and management principles as well as leadership skills including communication, motivation, initiating change, team building, delegation, and credibility.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH654 - Advanced Safety and Health Management and Administration
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Examination of past and current philosophical beliefs, practices and approaches to controlling safety and health hazards, risks exposure, accidents and loss.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH655 - Legal Aspects of Safety and Health
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will present an overview of the regulatory process including the influences of the executive, legislative, and judicial branches of government on OSHA and EPA regulations.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH656 - Ergonomics and Biomechanics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is concerned with the health, behavioral and technical sciences and their role in the reduction of worker stress. These factors are thus related to the neuro-muscular and skeletal systems and the mechanics involved in efficient workplace design.

Prerequisites

OSH 353 or 453

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH657 - Current Literature and Research in Safety and Health
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Survey of current literature and research in safety and health, including accident causation and prevention, hazard abatement, risk management, and loss control.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH658 - Introduction to Occupational Epidemiology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will give the students an overview of the basic principles of occupational epidemiology necessary to understand the scientific literature. The major types of epidemiologic studies will be described, and students will learn basic epidemiological calculations. Epidemiologic principles of reliability, validity, bias, screening, and surveillance will be discussed.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH663 - Applied Workplace Ergonomics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to provide the student the opportunity to apply the principles of ergonomics to the work environment. It is intended to offer students practical experience in applying ergonomics through the development of an industrial case study.

Prerequisites

OSH 656

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH670 - Internship in Safety and Health
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Supervised work experience in safety and health-related operations focusing on the career objectives and educational objectives of the student. Evaluation of the experience made by the department. Graded pass/fail.

Prerequisites

Permission of the department chair

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH671 - Problems in Safety and Health
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Individual study and research relating to safety and health.

Prerequisites

Instructor approval of problem before registering for the course

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH680 - Graduate Seminar in Occupational Safety and Health
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course involves on-site analysis of safety and health programs of area industries. Students are exposed to a variety of industrial settings and have the opportunity to interact with practicing safety and health professionals. Extensive weekly travel is required. Students also organize and present a seminar related to occupational safety and health.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH687 - Wastewater Treatment
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the operation and process design of wastewater treatment systems. This course focuses on aerobic biological treatment and process control for the activated sludge system. Topics will include treatment evaluations, trouble shooting, system design, and operational control strategies.

Prerequisites

OSH 320

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH689 - Solid and Hazardous Waste Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will provide students with an understanding of hazardous waste laws in the United States and practical strategies for compliance with those laws. It will also introduce industries as well as emerging technologies and philosophies as related to hazardous waste management.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH697 - Research in Environmental Health and Safety
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course where students research issues and problems related to health, safety, or the environment and to scientifically address solutions to existing and potential problems and hazards that threaten the health and safety in occupational or environmental setting.

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH698 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

N/A

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSH699 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

N/A

DEPARTMENT:

Occupational Safety and Health: Undergraduate

OSY: Office Systems

OSY101 - Keyboarding
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Development of basic touch keyboarding skills for computer or typewriter use.

DEPARTMENT:

Management, Marketing and Business Administration

OSY140 - Beginning Word Processing
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A course to provide a basic understanding of fundamental word processing concepts. The students will receive hands-on instruction in the use of microcomputer word processing applications packages and have access to a microcomputer laboratory.

DEPARTMENT:

Management, Marketing and Business Administration

OSY141 - Beginning Spreadsheets
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A course to provide a basic understanding of fundamental spreadsheet concepts. The student will receive hands-on instruction in the use of microcomputer spreadsheet applications packages and have access to a microcomputer laboratory.

DEPARTMENT:

Management, Marketing and Business Administration

OSY210 - Word Processing
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course builds on basic keyboarding techniques. The development of occupation-level formatting/production skills is stressed. Prerequisite: keyboarding and microcomputer skill.

DEPARTMENT:

Management, Marketing and Business Administration

OTR: Occupational Therapy

OTR600 - Occupational Therapy Foundations I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is the first of a two course series that covers the basic historical and theoretical foundations of the occupational therapy profession. This course will develop understanding of the philosophy and domain of occupational therapy practice. It will focus on the components of the Occupational Therapy Practice Framework.

Prerequisites

Admission to the OT program or consent of program director

DEPARTMENT:

Occupational Therapy

OTR603 - Occupational Therapy Functional Anatomy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will provide the student with a detailed understanding of anatomy, physiological processes, and kinesiological assessment related to occupational function. The focus will be on the study of human anatomy and its application to the motion of the musculoskeletal system as it relates to normal activities and dysfunctions.

Prerequisites

Admission to the OT program or consent of the program director

DEPARTMENT:

Occupational Therapy

OTR606 - Occupational Therapy Evaluation Techniques
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will provide an introduction to principles of tests, measurement, and outcomes-based assessment relevant to the practice of occupational therapy. It will include assessment processes and procedures, statistical methods, and test selection and interpretation. Assessment instruments will be introduced including, but not limited to, screening tools, skilled observation, checklists, histories, interviews with the client/family/significant others, and standardized and non-standardized tests and batteries. Using the ICF as an overarching framework, the evaluation process will yield information about the individual's level of function, activity and participation. Students will critique various measurement tools to determine the level of evidence available to support clinical usage.

Prerequisites

Admission to the OT program or consent of the program director

DEPARTMENT:

Occupational Therapy

OTR610 - Occupational Therapy Disease and Performance
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will provide students with an understanding of pathology and general health management of diseases and injuries across the lifespan encountered in a variety of occupational therapy treatment settings. It includes the etiology, symptoms, and the client's physical and psychological reactions to disease and injury.

Prerequisites

Admission to the OT program or consent of the program director

DEPARTMENT:

Occupational Therapy

OTR613 - Occupational Science
CREDITS:

2

COURSE LEVEL:

Graduate

Description

Course introduces the history and philosophy behind the discipline of occupational science. Students will explore the application of occupational analysis in relation to activities of daily living, work, play, leisure, and social participation.

Prerequisites

Admission to the OT program or consent of the program director

DEPARTMENT:

Occupational Therapy

OTR620 - Occupational Therapy Foundations II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is the second of a two-course series that covers the basic historical and theoretical foundations of the occupational therapy profession. This course will develop understanding of application of the Occupational Therapy Practice Framework. It will culminate an understanding of the roles and responsibilities of occupational therapists related to other rehabilitation professionals and referral sources.

Prerequisites

OTR 600

DEPARTMENT:

Occupational Therapy

OTR623 - Occupational Therapy Culture and Context
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Course will identify the various roles and functions that impact occupational performance as they related to occupation, health, and culture. It will promote the understanding of how culture influences those roles and the importance of understanding culture to promote health and wellness for various populations. Students will examine the context of local and regional environments and the impact of home, work, and community systems.

Prerequisites

OTR 610

DEPARTMENT:

Occupational Therapy

OTR626 - Occupational Development
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is designed to examine occupational development across the lifespan. The course will examine the developmental stages for sensory, motor, cognitive, emotional, and psychosocial development, and its implications for occupational performance.

Prerequisites

OTR 613

DEPARTMENT:

Occupational Therapy

OTR630 - Occupational Therapy Biomechanical Evaluation and Interventions
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will focus on the occupational therapy process of evaluating and treating clients with biomechanical impairments that limit the ability to participate in occupations. Theories, principles, assessments, and interventions focus on skills essential for performance of activities and routines of daily living, thus reducing or alleviating aspects of disease that impede client participation.

Prerequisites

OTR 603 and 606

DEPARTMENT:

Occupational Therapy

OTR635 - Occupational Therapy Neuroscience
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is an introduction to neuroscience related to occupational performance. Students will explore various aspects of neuropathology and neuroplasticity and be exposed to various intervention approaches.

Prerequisites

OTR 603

DEPARTMENT:

Occupational Therapy

OTR640 - Clinical Practicum I
CREDITS:

1

COURSE LEVEL:

Graduate

Description

This is the first of three practicums that make up Level I Fieldwork. The clinical practicum is designed to afford students the opportunity for hands-on assessment, evaluation, treatment planning, intervention and documentation in a traditional setting for occupational therapy.

Prerequisites

OTR 600

DEPARTMENT:

Occupational Therapy

OTR643 - Occupational Therapy Neurological Evaluation and Interventions
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course introduces students to clinical theories and techniques of assessment and intervention used to remediate or compensate for occupational dysfunction resulting from neurological deficits.

Prerequisites

OTR 635

DEPARTMENT:

Occupational Therapy

OTR646 - Administration and Management of Occupational Therapy Services
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is an introduction to the health care delivery system from an administrative and management perspective. Emphasis will be placed on reimbursement, program evaluation, outcome measurement, strategic planning, and entrepreneurship for practice.

Prerequisites

OTR 620

DEPARTMENT:

Occupational Therapy

OTR650 - Occupational Therapy Media and Modalities I

CREDITS:

3

COURSE LEVEL:

Graduate

Description

This is the first of two courses that will focus on occupational therapy strategies used to promote performance and compensation of participation in activities of daily living. The course will emphasize specific treatment media and modalities in clinical practice that will challenge students to identify how occupational-based activities are essential to returning the patient to occupational performance. This course will also provide education in orthotic use and fabrication to assist in the compensation and protection due to disease and disability.

Prerequisites

OTR 600

DEPARTMENT:

Occupational Therapy

OTR653 - Pediatric Evaluation and Interventions

CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will focus on evaluation and interventions for children from birth to adult to overcome issues related to developmental delays. The course will examine stages of feeding, play, social development, sensory integration, and self-help skills.

Prerequisites

OTR 630

DEPARTMENT:

Occupational Therapy

OTR655 - Clinical Practicum II
CREDITS:

1

COURSE LEVEL:

Graduate

Description

This is the second of three practicums that make up Level I fieldwork. The clinical practicum is designed to afford students the opportunity for hands-on assessment, evaluation, treatment planning, intervention, and document in a setting that is focused on the provision of occupational therapy services for pediatric and developmentally delayed populations.

Prerequisites

OTR 640

DEPARTMENT:

Occupational Therapy

OTR660 - Occupational Therapy Evidence-Based Practice
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course introduces the student to the concept of evidence-based practice and how to use evidence to make sound practice decisions. Students will also learn the principles of research and how to critically examine current research.

Prerequisites

OTR 653

DEPARTMENT:

Occupational Therapy

OTR663 - Psychosocial Evaluation and Interventions
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will focus on the occupational therapy process for clients with psychosocial issues. It will address evaluation, planning and interventions for mental health issues that impact occupational performance deficits across the lifespan.

Prerequisites

OTR 643

DEPARTMENT:

Occupational Therapy

OTR665 - Occupational Therapy Media and Modalities II

CREDITS:

3

COURSE LEVEL:

Graduate

Description

This is the second of two courses that will focus on occupational therapy strategies used to promote performance and compensation of participation in activities of daily living. The course will emphasize specific treatment media and modalities in clinical practice that will challenge students to identify how occupational-based activities are essential to returning the patient to occupational performance. This course will also provide education in physical agent modalities and the use of assistive technology.

Prerequisites

OTR 650

DEPARTMENT:

Occupational Therapy

OTR667 - Community-Based Practice

CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will provide in-depth exposure to areas of advanced practice in occupational therapy. The areas of practice examined will include community-based programs, non-medical settings, alternative care, and natural environments.

Prerequisites

OTR 646

DEPARTMENT:

Occupational Therapy

OTR670 - Clinical Practicum III

CREDITS:

1

COURSE LEVEL:

Graduate

Description

This is the third of three practicums that make up Level I Fieldwork. The clinical practicum is designed to afford students the opportunity for hands-on assessment, evaluation, treatment planning, intervention, and documentation in a setting that is focused on the provision of services for the psychosocial and community health populations.

Prerequisites

OTR 655

DEPARTMENT:

Occupational Therapy

OTR672 - Level II Fieldwork I

CREDITS:

6

COURSE LEVEL:

Graduate

Description

This course is identified as Level II Fieldwork according to Accreditation Council for Occupational Therapy Education (ACOTE) guidelines. The Level II Fieldwork experience is the culmination of all previously learned material in academic courses and Level I fieldwork. It is divided into two separate experiences that are full time 5 days a week for a minimum of 14 weeks experience each. Students will be provided with the opportunity to directly apply OT concepts and skills of a practicing therapist. The goal is to develop competent, entry-level, generalist occupational therapists. Each fieldwork course must be successfully completed within 18 months of didactic coursework for the program. The Level II Fieldwork clinical experience emphasizes the attainment of entry-level competencies as an occupational therapist. Students will be assigned to and supervised by a certified Occupational Therapist or certified Occupational Therapist Assistant with a minimum of one year of experience at the practice setting.

Prerequisites

OTR 670

Corequisites

OTR 674

DEPARTMENT:

Occupational Therapy

OTR674 - Clinical Research I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to contribute to generalized knowledge of occupational therapy practice by providing students opportunities in investigation, research development, testing and evaluation. In this first course, the student will review the literature and begin to develop a plan and format of which they can pursue answering a clinical question.

Prerequisites

Successful completion of all MS OT didactic course work

Corequisites

OTR 672

DEPARTMENT:

Occupational Therapy

OTR676 - Level II Fieldwork II
CREDITS:

6

COURSE LEVEL:

Graduate

Description

This course is identified as Level II Fieldwork according to Accreditation Council for Occupational Therapy Education (ACOTE) guidelines. The Level II Fieldwork experience is the culmination of all previously learned material in academic courses and Level I fieldwork. It is divided into two separate experiences that are a full time 5 days a week for a minimum of 14 weeks experience each. Students will be provided with the opportunity to directly apply OT concepts and skills of a practicing therapist. The goal is to develop competent, entry-level, generalist occupational therapists. Each fieldwork course must be successfully completed within 18 months of didactic coursework for the program. The Level II Fieldwork clinical experience emphasizes attainment of entry-level competencies as an occupational therapist. Students will be assigned to and supervised by a certified Occupational Therapist or certified Occupational Therapist Assistant with a minimum of one year of experience at the practice setting.

Prerequisites

OTR 672

Corequisites

OTR 678

DEPARTMENT:

Occupational Therapy

OTR678 - Clinical Research II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to contribute to generalized knowledge of occupational therapy practice by providing students opportunities in investigation, research development, testing and evaluation. In this second course, the student will refine their research question that was developed in Clinical Research I, collect and analyze data and formulate conclusion that impacts practice. Students will also be required to present their research project to faculty, peer and/or at state/national conference.

Prerequisites

OTR 674

Corequisites

OTR 676

DEPARTMENT:

Occupational Therapy

PHE: Physical Education

PHE200 - Health Implications for HPE Professionals
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to cover health-related issues that are encountered by physical education/health teachers which include, but are not limited to: disease transmission, effective communication, illegal, prescription, and over-the-counter drug abuse, and misuse, as well as the abuse of alcohol consumption; eating disorders; risk management/liability issues associated with K-12 athletes; head injuries; performance-enhancing drugs; and mental health.

Prerequisites

Permission of program coordinator

DEPARTMENT:

Adolescent, Career and Special Education

PHE205 - Lifetime Activities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

At least four of the following sports will be taught: fitness, golf, tennis, bowling, badminton, archery and outdoor leisure activities.

Prerequisites

Permission of program coordinator

DEPARTMENT:

Adolescent, Career and Special Education

PHE206 - Team Sports
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

To provide the prospective physical education teacher with information and skill related to at least four team sports.

DEPARTMENT:

Adolescent, Career and Special Education

PHE285 - Football and Basketball Officiating
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Football and basketball rules and theories of officiating.

DEPARTMENT:

Adolescent, Career and Special Education

PHE289 - Officiating Soccer
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

This course is intended to prepare students for a role as a certified soccer official. Certification is optional. The student will learn the laws of the game of soccer through a United States Soccer Federation certified instructor. The format of the class will be lecture and class participation. Each class will last four hours for four nights, one night per week.

DEPARTMENT:

Adolescent, Career and Special Education

PHE304 - Adapted Physical Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed to develop understanding, knowledge and skills that encompass the theory and practice in physical education programs for special populations. Field experience required.

Prerequisites

HPE 175 and junior or senior standing

DEPARTMENT:

Adolescent, Career and Special Education

PHE306 - Dance and Gymnastics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course is designed to provide the prospective physical education teacher with the skills necessary to teach dance and gymnastics at the elementary and secondary school level.

DEPARTMENT:

Adolescent, Career and Special Education

PHE310 - Fundamentals of Athletic Coaching
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

This course is designed to introduce prospective athletic coaches and physical education teachers to the theory and applied practice of athletic coaching.

DEPARTMENT:

Adolescent, Career and Special Education

PHE312 - Coaching Football I
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course will present the technique and strategy in the various styles of offense and defense. Laboratory experience will be provided.

DEPARTMENT:

Adolescent, Career and Special Education

PHE314 - Coaching Basketball I
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

The various systems of defense and offense in basketball will be discussed and demonstrated. Laboratory experience will be provided.

DEPARTMENT:

Adolescent, Career and Special Education

PHE316 - Coaching Baseball I
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

The strategy and fundamentals of baseball will be discussed and demonstrated. Laboratory experience will be provided.

DEPARTMENT:

Adolescent, Career and Special Education

PHE318 - Coaching Track and Field I
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

The basic fundamentals of track and field will be presented and demonstrated. Laboratory experience will be provided.

DEPARTMENT:

Adolescent, Career and Special Education

PHE319 - Coaching Soccer
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

This course is designed to introduce basic soccer coaching techniques. During the class students will learn various soccer practice drills, conditioning, and ball handling techniques through actual practice and lecture material. Students will have the opportunity to compare and contrast various styles of soccer, e.g. European, South American and American styles. This class will be taught once a week for two hours.

DEPARTMENT:

Adolescent, Career and Special Education

PHE330 - Movement Concepts and Skill Themes
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed for future physical education teachers. This course focuses primarily on 'what' to teach in the elementary school and not "how" to teach. This class focuses on understanding quality physical education that is developmentally appropriate for children. Emphasis is on the skill theme curriculum focusing on movement concepts, generic levels of skill proficiency, and skill themes. Some basic motor development, applied scientific principles for movement, and fundamental health and fitness concepts are also included in the content.

Prerequisites

HPE 175

DEPARTMENT:

Adolescent, Career and Special Education

PHE375 - Movement Analysis for Physical Education
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course is designed to develop physical activity analysis skills in preservice physical education teachers utilizing the basic principles of physics, biomechanics, and applied kinesiology. Topics include skeletal, muscular, and nervous system anatomy; basic principles of physics and motion; and teaching principles involved in movement analysis. Three hours lecture plus two hours laboratory per week.

DEPARTMENT:

Adolescent, Career and Special Education

PHE400 - Teaching Physical Education in the Elementary Schools
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Investigation, appraisal and practice of methods, techniques, and materials for development of motor skill learning in the elementary school child.

Prerequisites

PHE 304

DEPARTMENT:

Adolescent, Career and Special Education

PHE405 - Physiology of Exercise and Fitness
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Concepts of physiology as applied to exercise and fitness directed toward the needs of physical education teachers.

Prerequisites

HPE 175 and all University Studies math/science requirements

DEPARTMENT:

Adolescent, Career and Special Education

PHE414 - Coaching Basketball II
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

An in-depth study of basketball strategy and team play, involving such areas as the fast break, team offense, team defense, presses, and special situations. Also, various teaching, communication, and motivational techniques. PHE 314 is recommended.

DEPARTMENT:

Adolescent, Career and Special Education

PHE416 - Coaching Baseball II
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

A review of baseball fundamentals, strategies, theories of coaching, scouting and the intricacies of offensive and defense play will be stressed. PHE 316 is recommended.

DEPARTMENT:

Adolescent, Career and Special Education

PHE459 - Teaching Adolescent Physical Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduces a number of teaching methods and techniques appropriate to middle and secondary physical education.

Prerequisites

HPE 175

DEPARTMENT:

Adolescent, Career and Special Education

PHE475 - Policy and Professional Practice in Athletic Settings
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of legal issues associated with athletic settings, such as tort liability, individual rights, contracts, and federal or state regulations. Risk management and related best practices will be emphasized.

Prerequisites

HPE 175 with a minimum grade of C

DEPARTMENT:

Adolescent, Career and Special Education

PHI: Philosophy

PHI100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

English and Philosophy

PHI103 - Critical Thinking
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides an introduction to reasoning in everyday life. It focuses on recognizing and evaluating arguments in advertising, news, politics, and ordinary conversation. Students will learn how to recognize and avoid informal fallacies and other common errors in reasoning, including use of statistics and misuse of data or incomplete information.

DEPARTMENT:

English and Philosophy

PHI142 - Philosophy-The Big Questions
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will investigate the ways in which philosophers have examined the big questions such as the following: What is a good life? Are there universal truths? Are values absolute or relative? Why am I here? Does life have a purpose? Why do we suffer? Does God exist? What are my responsibilities to others? Who am I? What is consciousness?

DEPARTMENT:

English and Philosophy

PHI184 - Logic, Language, and Truth
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory course in truth-functional and predicate logic, philosophy of language, and theories of truth. Students will be introduced to the concepts and methods made use of in formal reasoning, with emphasis on deduction and rules of inference. Students will also be introduced to theories of meaning and of truth. Logic games are included.

DEPARTMENT:

English and Philosophy

PHI201 - Introduction to Philosophy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to fundamental questions in philosophy about self-knowledge, moral decision-making, knowledge about the world and others, the limits of knowing, and the perennial search for meaning. Emphasis will be given to the evaluation of arguments, philosophical inquiry, and reflection on the nature of human existence.

DEPARTMENT:

English and Philosophy

PHI202 - Ethics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to classic and contemporary problems of personal and social morality and to the systems and methods proposed by philosophers, past and present, in response to questions of good and evil. PHI 202 will not fulfill the requirements of HON 212.

DEPARTMENT:

English and Philosophy

PHI203 - Symbolic Logic
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A systematic study of the fundamentals of logic, focusing on the concepts and methods of contemporary logics systems, which will include learning proofs of reasoning using mechanical decision procedures such as truth tables and truth trees.

DEPARTMENT:

English and Philosophy

PHI212 - Contemporary Ethical Problems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An intermediate survey of contemporary ethical problems such as distributive justice, sexual morality, free speech, euthanasia, abortion, capital punishment, pornography, animal rights, and environmental issues. These issues will be philosophically examined using general ethical theories.

DEPARTMENT:

English and Philosophy

PHI215 - Ethical Issues in a Cybersociety
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will examine ethical issues in the design and use of technology, especially computers and the internet. Some of these ethical issues include free expression and the internet, bias in computational systems, machine learning, artificial intelligence, minority representation in computational systems, and human augmentation. Students will survey a number of different philosophical traditions, including utilitarianism, deontology, virtue ethics, theories of justice, and ethics of care. These traditions will be used to examine case studies of ethical dilemmas in technology.

DEPARTMENT:

English and Philosophy

PHI221 - Philosophy of Religion
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS221 - Philosophy of Religion

Description

A study of basic philosophical issues in the consideration of religion, such as the basis for religious belief, the nature of religion, the cogency of talk about God, the meaning of evil. (Same as RGS 221.)

DEPARTMENT:

English and Philosophy

PHI250 - Philosophy of Law
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course examines the nature of law and its relationship to justice and morality. Possible topics include the ontology of human dignity; the relationship between law, democracy, and human rights; the nature of law and legal reasoning; natural law theory and legal positivism; retributive justice versus rehabilitation; and law and changes in technology.

DEPARTMENT:

English and Philosophy

PHI255 - Philosophy of Race
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course explores the nature of race and its intersection with other areas of philosophy: ontology, epistemology, ethics, and political philosophy. Possible topics include the ontology of race, race and epistemic justice, race and disability, race and religion, womanist philosophy, race and the State, race and gender, and racial virtues.

DEPARTMENT:

English and Philosophy

PHI260 - Death
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course explores the nature and implications of human mortality. Ethical, metaphysical, and epistemological questions regarding death will be addressed. Possible topics include whether posthumous events should contribute to the assessment of a person's quality of life, whether we have moral obligations to those who have died, whether death is an evil, and whether any religious beliefs concerning a posthumous existence are cogent and/or appealing.

DEPARTMENT:

English and Philosophy

PHI304 - History of Philosophy I: Ancient/Medieval
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course examines the birth of Western philosophy in Ancient Greece from its pre-Socratic origins, through Classical and Roman thought and extenuations within Judaic, Christian, and Islamic traditions, and ending with neo-Platonic thought and the medieval period.

Prerequisites

Any PHI course

DEPARTMENT:

English and Philosophy

PHI305 - History of Philosophy II: Modern/19th Century
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course examines major figures and themes in the development of modern thought, focusing on the Rationalist and Empiricist traditions and the development of modern science, and ends with an examination of the emergence of Idealism and Romanticism in the 19th Century.

Prerequisites

Any PHI course

DEPARTMENT:

English and Philosophy

PHI307 - Epistemology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of issues in knowledge and justification, which will include such topics as the nature of knowledge, skepticism, perception, theories of justification, and the structure of belief.

Prerequisites

Any PHI course

DEPARTMENT:

English and Philosophy

PHI308 - Metaphysics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the fundamental nature of reality, causation, the external world, free will and determinism, God, the mind-body problem, temporality, identity, substance and theories of possible worlds.

Prerequisites

Any PHI course

DEPARTMENT:

English and Philosophy

PHI310 - American Philosophy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the philosophical traditions shaping American culture past and present that will include influences from the Puritan tradition, Slavery, and Native American narratives, and intellectual movements such as Transcendentalism, Pragmatism, and Neo-pragmatism.

Prerequisites

Any PHI course

DEPARTMENT:

English and Philosophy

PHI315 - Social and Political Philosophy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the theoretical foundations of political and social thought that include theories of the state, justice, and revolution. Philosophers whose work influences our understanding of justice, government, gender roles, work, and other political/ cultural institutions today will be examined.

DEPARTMENT:

English and Philosophy

PHI322 - Philosophy of History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of some of the basic philosophical theories of history as found in the writings of such thinkers as Augustine, Hegel, Marx, Spengler and Collingwood.

Prerequisites

Any PHI course

DEPARTMENT:

English and Philosophy

PHI325 - Philosophy of Art
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of historic and contemporary theories of art that will focus on questions such as what constitutes art, beauty, and artistic activity, and will also explore the role of institutions in relation to art and criticism.

DEPARTMENT:

English and Philosophy

PHI330 - Medical Ethics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of ethical questions related to availability of healthcare and duties of healthcare workers, patients' rights - including the right to die, and current topics.

Prerequisites

ENG 105 or 150 or equivalent

DEPARTMENT:

English and Philosophy

PHI331 - History of Philosophy: Belief, Science, and Knowledge
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course examines the epistemological viewpoints of a number of thinkers from the history of philosophy. The course will introduce students to important concepts, problems, and arguments from the history of epistemology and will familiarize students with the interpretation of historical philosophical texts.

DEPARTMENT:

English and Philosophy

PHI332 - History of Philosophy: Eastern Philosophy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course examines the viewpoints of a number of thinkers from the history of both western and eastern philosophy. The course will introduce students to important concepts, problems, and arguments from the history of philosophy; consider the approaches to these topics taken in comparative philosophy; and familiarize students with the interpretation of historical philosophical texts.

DEPARTMENT:

English and Philosophy

PHI333 - History of Philosophy: Faith and the Divine
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course examines the viewpoints held in the philosophy of religion by a number of thinkers from the history of philosophy. The course will introduce students to important concepts, problems, and arguments from the history of philosophy of religion and will familiarize students with the interpretation of historical philosophical texts.

DEPARTMENT:

English and Philosophy

PHI334 - History of Philosophy: Individuals, Community, the State
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course examines the social and political viewpoints of a number of thinkers from the history of philosophy. The course will introduce students to important concepts, problems, and arguments from the history of social and political philosophy and will familiarize students with the interpretation of historical philosophical texts.

DEPARTMENT:

English and Philosophy

PHI335 - History of Philosophy: Mind and Reality
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course examines the metaphysical viewpoints of a number of thinkers from the history of philosophy. The course will introduce students to important concepts, problems, and arguments from the history of metaphysics and will familiarize students with the interpretation of historical philosophical texts.

DEPARTMENT:

English and Philosophy

PHI340 - Special Topics
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A study of a philosophical subject chosen for its particular topical or thematic interest. Topics will vary. May be taken up to three times for credit with the permission of the program director.

Prerequisites

Any PHI course

DEPARTMENT:

English and Philosophy

PHI350 - Philosophy of Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey course introducing students to descriptions of scientific method and theory construction, which may include topics such as the relationship between theory confirmation, explanation, prediction, and discovery, as well as theories of change and scientific rationality.

DEPARTMENT:

English and Philosophy

PHI356 - Continental Philosophy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory survey of philosophical trends in Europe from the end of the 19th Century to the present, which will focus on issues and thinkers within the Existentialist and Phenomenological traditions, the new Marxism, structuralism, post-structuralism, and deconstruction.

Prerequisites

Any PHI course

DEPARTMENT:

English and Philosophy

PHI357 - Feminist Philosophy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey course covering feminist theoretical perspectives and current themes in feminist research, such as the body and gender, ethics, epistemology, and how gender informs social life and political/institutional frameworks.

DEPARTMENT:

English and Philosophy

PHI360 - Literature and Philosophy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ENG360 - Literature and Philosophy

Description

Interdisciplinary look at ways in which literature raises philosophical questions and also how philosophical writings articulate a relationship between philosophy and literature. Topics may include the role of imagination and emotion in reasoning, interpretation, rhetoric, and the role of literature in moral reasoning. (Same as ENG 360.)

DEPARTMENT:

English and Philosophy

PHI372 - Philosophy of Cognitive Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of philosophical questions raised by advances in cognitive science, and psychology, including the possibility of a language of thought, mental imagery, reductive explanations of the mind and consciousness, artificial intelligence and connectionism, and the application of cognitive science to traditional philosophical questions.

Prerequisites

Any PHI course

DEPARTMENT:

English and Philosophy

PHI376 - Environmental Ethics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This survey course exploring views of the relationship between human beings and the natural world will examine current questions in environmental studies regarding ethical and epistemological frameworks. Topics may include the Gaia hypothesis, ecofeminism, and deep ecology.

DEPARTMENT:

English and Philosophy

PHI378 - Teaching and Philosophy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the philosophical foundations of pedagogical approaches, this course will also consider ways philosophy might enrich elementary and secondary curriculum.

DEPARTMENT:

English and Philosophy

PHI380 - Philosophy of Language
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of philosophical questions of meaning, truth and reference, including such topics as the nature of propositional attitudes, theories of meaning and reference, internalism and externalism, ordinary language philosophy, and theories of truth.

Prerequisites

Any PHI course

DEPARTMENT:

English and Philosophy

PHI382 - Philosophy of Social Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the structure and nature of the social sciences and their foundation in philosophy, this course will focus on the relationship between social theory/ criticism and practice, in view of social theory as practical knowledge.

Prerequisites

Any PHI course

DEPARTMENT:

English and Philosophy

PHI383 - Philosophy of Diversity
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to diverse philosophical perspectives in contemporary culture that will focus on issues of race, gender, class, sexual orientation, and identity, drawing from African American, Native American, gender studies, and feminist perspectives.

DEPARTMENT:

English and Philosophy

PHI392 - Professional Engagement
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Practical course for philosophy majors. Each student will work 25 hours on a project or job that requires utilization of skills taught in philosophy courses. Graded pass/fail. Repeatable up to three hours.

Prerequisites

Junior or senior standing; PHI 201; and permission of instructor

DEPARTMENT:

English and Philosophy

PHI442 - Business Ethics and Environments
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

BAC442 - Business Ethics and Environments

Description

This course involves a study of modern and classical approaches to both business and personal ethics as well as the other major components of the business environment: the political, international, ecological, social and cultural environments. (Same as BAC 442.)

Prerequisites

LST 240, MGT 350, FIN 330, MKT 360, and senior standing

DEPARTMENT:

English and Philosophy

PHI498 - Major Figures
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An intensive study of a major philosophical thinker and/or thinkers, such philosophers as Plato, Aristotle, Kant, Hegel, Marx, Nietzsche, Heidegger, Wittgenstein, among others, whose spheres of influence have engendered broader philosophical movements. May be taken up to three times for credit, at the discretion of the program director.

Prerequisites

Any two PHI courses at least one of which is at the 300-level

DEPARTMENT:

English and Philosophy

PHI499 - Senior Research Project
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A research/writing course designed to develop proficiency in research in philosophy and in logical argumentation, culminating in a scholarly paper that will demonstrate these skills.

DEPARTMENT:

English and Philosophy

PHI550 - Directed Study
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Readings or other study in advanced topics. This course may be repeated for credit.

DEPARTMENT:

English and Philosophy

PHI640 - Special Topics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An examination of a traditional or contemporary topic in philosophy. May be repeated for credit.

Prerequisites

Permission of philosophy program coordinator

DEPARTMENT:

English and Philosophy

PHI650 - Directed Study
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Supervised independent work in philosophy. May be taken more than once for credit. Prerequisite: permission of philosophy program coordinator.

Prerequisites

Permission of philosophy program coordinator

DEPARTMENT:

English and Philosophy

PHI657 - Feminist Philosophy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced survey covering feminist theoretical perspectives and current themes in feminist research, such as the body and gender, ethics, epistemology, and how gender informs social life and political/institutional frameworks.

DEPARTMENT:

English and Philosophy

PHY: Physics and Engineering

PHY100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EGR100T - Transitions

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one freshman orientation course will count toward graduation. Graded pass/fail. (Same as EGR 100T.)

DEPARTMENT:

Institute of Engineering

PHY103 - Physics of Sports
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Fundamental principles involved in sports. This course considers the physical mechanisms that are involved in a variety of sports. This physics course is intended for non-physics major with a general interest in athletics and recreation. The lab provides students with tools and principles to analyze and measure the mechanics of motion and sports. Three hours of lecture and two hours in lab per week.

DEPARTMENT:

Institute of Engineering

PHY105 - The Science of Sound
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Fundamental principles of acoustics and wave motion. This course considers the generation, transmission and perception of sound and vibration with an emphasis on musical acoustics. The course provides an examination of the physics of vibration and wave motion. It is intended for non-physics majors with an interest in science, music, education, speech, hearing, and acoustical or recording engineering. The lab provides student experience with the tools and principles used in the analysis, production and perception of sound. Three hours of lecture and two hours of lab per week.

DEPARTMENT:

Institute of Engineering

PHY125 - Brief Introductory Physics
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Topics in introductory physics including mechanics, heat, wave motion, electricity, light, modern physics. Combination conceptual and quantitative approach with emphasis on applications not requiring vector analysis. A student may not receive credit for both PHY 125 and either PHY 130 or PHY 132. Four hours lecture per week.

Prerequisites

MAT 140 or equivalent

Corequisites

PHY 126

DEPARTMENT:

Institute of Engineering

PHY126 - Brief Introductory Physics Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Laboratory to accompany PHY 125. Two hours laboratory per week.

Corequisites

PHY 125

DEPARTMENT:

Institute of Engineering

PHY130 - General Physics I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Elementary mechanics, heat, and wave motion. Fundamental laws of nature, definitions, and physical measurements are stressed.

Prerequisites

MAT 140 or equivalent

Corequisites

PHY 131

DEPARTMENT:

Institute of Engineering

PHY131 - General Physics I Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Laboratory to accompany PHY 130. Two hours laboratory per week.

Corequisites

PHY 130

DEPARTMENT:

Institute of Engineering

PHY132 - General Physics II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Elementary electricity, magnetism, light, and modern physics.

Prerequisites

PHY 130

Corequisites

PHY 133

DEPARTMENT:

Institute of Engineering

PHY133 - General Physics II Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Laboratory to accompany PHY 132. Two hours laboratory per week.

Corequisites

PHY 132

DEPARTMENT:

Institute of Engineering

PHY150 - Light and Lasers in Action
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A laboratory course in general physics intended for non-physics majors with an interest in scientific, medical, engineering or education-related fields. This course will use the visual appeal of light and lasers as vehicles for the introduction of fundamental physical principles including energy, waves and fields. It will rely heavily on demonstrations of optical effects with student participation and interaction. Practical applications of the use of light and lasers in cultural and technical aspects of society will be demonstrated and discussed.

DEPARTMENT:

Institute of Engineering

PHY235 - Mechanics, Heat and Wave Motion
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Introduction to classical mechanics. Topics include kinematics, dynamics, energy, momentum, rotational motion, wave motion, and the laws of thermodynamics. Calculus and vector notation used. Must be taken concurrently with PHY 236. Three lectures and two recitation meetings per week.

Prerequisites

MAT 250 (pre- or corequisite)

Corequisites

PHY 236

DEPARTMENT:

Institute of Engineering

PHY236 - Mechanics, Heat and Wave Motion Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Laboratory course must be taken concurrently with PHY 235. Two hours laboratory per week.

Corequisites

PHY 235

DEPARTMENT:

Institute of Engineering

PHY255 - Electricity, Magnetism and Light
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Electric and magnetic fields, circuits, electromagnetic oscillations, and optics. Calculus and vector notation used. Must be taken concurrently with PHY 256. Three lectures and two recitation meetings per week.

Prerequisites

PHY 235

Corequisites

MAT 308 and PHY 256

DEPARTMENT:

Institute of Engineering

PHY256 - Electricity, Magnetism and Light Laboratory
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Laboratory course must be taken concurrently with PHY 255. Two hours laboratory per week.

Corequisites

PHY 255

DEPARTMENT:

Institute of Engineering

PHY299 - Introduction to Research
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

Description

Designed primarily for freshman and sophomore level students. The student participates in an on-going research activity or supporting function. The student will average four hours per week in the activity for each hour of credit. May be repeated for a maximum of four hours of credit. Open to students majoring in physics.

Prerequisites

Permission of the directing staff member

DEPARTMENT:

Institute of Engineering

PHY316 - Introductory Astrophysics and Space Physics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

AST316 - Introductory Astrophysics and Space Physics

Description

Introduction to astrophysics and space physics. Space physics is concerned with understanding the environment between the sun and the earth's upper atmosphere. Topics include coronal mass ejections, the solar wind, magnetospheric storms, and auroral precipitation. Astrophysics is the study of planetary system formation and evolution, stellar structure and evolution, galactic structure, and cosmology. Phenomena of interest include quasars, black holes, supernovas, and the cosmic microwave background radiation. (Same as AST 316.)

Prerequisites

PHY 132 or 255

DEPARTMENT:

Institute of Engineering

PHY370 - Introduction to Modern Physics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Concepts of atomic, nuclear, solid state, and particle physics. Philosophical, historical and cultural aspects are discussed.

Prerequisites

PHY 132 or 255

DEPARTMENT:

Institute of Engineering

PHY450 - Laser Physics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Fundamental principles of laser operation. Lectures include a survey of different types of lasers and their application in various fields.

Prerequisites

PHY 255

Corequisites

PHY 370

DEPARTMENT:

Institute of Engineering

PHY460 - Electricity and Magnetism I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EGR460 - Electricity and Magnetism I

Description

Electric fields, potential dielectrics, steady currents, magnetic fields and electromagnetic induction. Three lectures per week. (Same as EGR 460.)

Prerequisites

PHY 255 and MAT 338

DEPARTMENT:

Institute of Engineering

PHY461 - Electricity and Magnetism II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EGR461 - Electricity and Magnetism II

Description

Magnetic materials, alternating currents, transient phenomena and electromagnetic radiation. Three lectures per week. (Same as EGR 461.)

Prerequisites

PHY 460

DEPARTMENT:

Institute of Engineering

PHY462 - Fields and Waves
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EGR462 - Fields and Waves

Description

The course involves a comprehensive study of fields and waves by exploring electrostatic and magnetostatic fields, Maxwell's equations, plane waves, transmission lines, and applications of electromagnetic theory. Additional topics include waveguides, antennas, and radiation. (Same as EGR 462.)

Prerequisites

PHY 255/256 and MAT 309

Corequisites

MAT 338

DEPARTMENT:

Institute of Engineering

PHY470 - Optics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Reflection, refraction, thin lenses, interference, diffraction, polarization and selected optical devices.

Prerequisites

PHY 132 or 255; and MAT 250

DEPARTMENT:

Institute of Engineering

PHY475 - Solid State Physics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Fundamental physical properties of the solid state of matter.

Prerequisites

PHY 255 and 256

DEPARTMENT:

Institute of Engineering

PHY488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Institute of Engineering

PHY489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of chair

DEPARTMENT:

Institute of Engineering

PHY495 - Advanced Laboratory I
CREDITS:

1 - 2

COURSE LEVEL:

Undergraduate

Description

A laboratory for advanced students in physics. The experimental program will be planned on an individual basis with experiments chosen from optics, electricity and magnetism, classical mechanics, thermodynamics, atomic, nuclear and solid state physics. Two to four hours laboratory per week. May be repeated for a maximum of three hours.

Prerequisites

PHY 255 and 256

DEPARTMENT:

Institute of Engineering

PHY496 - Senior Seminar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Capstone course for students completing the undergraduate physics curriculum. Students will be involved in discussions and presentations on a variety of topics in physics. Students will also prepare and deliver written and oral presentations on technical topics.

Prerequisites

Senior standing

DEPARTMENT:

Institute of Engineering

PHY515 - Special Topics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Topics of current interest in physics and engineering. Delivery methods may include lecture, seminar, directed study, and laboratory. May be repeated for credit as different topics are offered.

Prerequisites

Permission of instructor

DEPARTMENT:

Institute of Engineering

PHY520 - Independent Study
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Supervised reading course in specialized topics for upper-division students of high standing. May be repeated for a maximum of three hours.

Prerequisites

Physics major and permission of instructor

DEPARTMENT:

Institute of Engineering

PHY530 - Mechanics I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Dynamics of particles, coordinate transformation, and non-inertial reference systems. Celestial mechanics. Dynamics of systems of particles.

Prerequisites

PHY 255 and MAT 338 (pre- or corequisite)

DEPARTMENT:

Institute of Engineering

PHY531 - Mechanics II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

General motion of rigid bodies. Lagrangian mechanics, theory of small vibrations and special theory of relativity.

Prerequisites

PHY 530

DEPARTMENT:

Institute of Engineering

PHY535 - Introduction to Quantum Mechanics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Fundamental course in non-relativistic quantum mechanics.

Prerequisites

PHY 370

DEPARTMENT:

Institute of Engineering

PHY580 - Modern Physics I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An investigation of the physical phenomena explained since 1900 by the introduction of the discreteness of nature and the wave-particle duality, leading to the development of wave mechanics. Topics include Planck radiation, photoelectric and Compton effects, pair production and annihilation, the nuclear atom and Bohr theory, the deBroglie hypothesis, the Schroedinger equation and applications to atomic physics.

Prerequisites

PHY 460 or 530

DEPARTMENT:

Institute of Engineering

PHY581 - Modern Physics II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continuation of PHY 580 including angular momentum theory, perturbation theory, L-S coupling, Zeeman effects, nuclear properties, reactions and structures, particle accelerators and elementary particle physics.

Prerequisites

PHY 580

DEPARTMENT:

Institute of Engineering

PHY583 - Applied Optics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Fresnel diffraction, polarization, Maxwell's equations, laser theory and application, holography, spatial filtering and applications.

Prerequisites

PHY 460 and 470

DEPARTMENT:

Institute of Engineering

PHY590 - Mathematical Methods in Physics and Engineering I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Applications of mathematics to physical and engineering problems, curvilinear coordinates, analytic functions, transform theory, convolutions, Fourier series.

Prerequisites

EGR 330 and MAT 338

DEPARTMENT:

Institute of Engineering

PHY591 - Mathematical Methods in Physics and Engineering II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EGR591 - Mathematical Methods in Physics and Engineering II

Description

Solutions of partial differential equations, special functions, Green's function. (Same as EGR 591.)

Prerequisites

PHY 590

DEPARTMENT:

Institute of Engineering

PHY592 - Problems in Advanced Physics and Engineering
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An applied course for advanced students in physics and engineering. The problems will be planned on an individual basis with topics including Monte Carlo and molecular dynamics techniques, fluidized-bed and numerical fluid dynamics, surface physics, cloud and aerosol physics, crystal growth and analog modeling of experiments. Students will be required to design, implement and test appropriate strategies for the solution of the chosen problem using their knowledge and understanding of basic physics and engineering principles.

Prerequisites

CSC 420 or MAT 442

DEPARTMENT:

Institute of Engineering

PHY593 - Problems in Advanced Physics and Engineering II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of PHY 592.

Prerequisites

PHY 592

DEPARTMENT:

Institute of Engineering

PHY596 - The History of Modern Physics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A detailed examination of the origin of quantum theory. Consideration is given to the notable works of Planck, Lorentz, Einstein, Stark, Haas, Sommerfeld, Nernst, Bohr and others. Lectures and conferences.

Prerequisites

Senior standing; major in physics; and minimum 3.25 GPA in major

DEPARTMENT:

Institute of Engineering

PHY599 - Senior Research
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EGR599 - Senior Research

Description

Introduction to research practices, periodicals and literature of physics. Problems arranged individually with faculty members. Formal, scientific report of work required. (Same as EGR 599.)

Prerequisites

Senior standing and permission of faculty

DEPARTMENT:

Institute of Engineering

PLN: Planning, Urban and Regional

PLN488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Earth and Environmental Sciences

PLN489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of chair

DEPARTMENT:

Earth and Environmental Sciences

PLN507 - Land Use Planning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EES507 - Land Use Planning

Description

Analyze the principles and techniques utilized in the planning process. Emphasis is placed on the practical aspects of planning -- the needs, problems and proposed solutions. (Same as EES 507.)

DEPARTMENT:

Earth and Environmental Sciences

PLN521 - Geographic Info Systems
CREDITS:

4

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EES621 - Geographic Information Systems

Description

Techniques course that introduces digital georeferenced information systems, including data capture, editing and encoding techniques, data storage structures, database management systems, data analysis and model development, and information display methods. Three hours of lecture and two hours of laboratory per week. (Same as EES 621.)

DEPARTMENT:

Earth and Environmental Sciences

PLN523 - Problems in Urban Geography and Urban Planning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EES523 - Problems in Urban Geography and Urban Planning

Description

Theories, techniques and research in urban geography and planning. Focus placed on the designs and strategies addressing present day urban problems. (Same as EES 523.)

DEPARTMENT:

Earth and Environmental Sciences

PLN607 - Land Use Planning
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

EES607 - Land Use Planning

Description

Analyze the principles and techniques utilized in the planning process. Emphasis is placed on the practical aspects of planning -- the needs, problems and proposed solutions. (Same as EES 607.)

DEPARTMENT:

Earth and Environmental Sciences

PLN621 - Geographic Information Systems
CREDITS:

4

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

EES621 - Geographic Information Systems

Description

Techniques course that introduces digital georeferenced information systems, including data capture, editing and encoding techniques, data storage structures, database management systems, data analysis and model development, and information display methods. (Same as EES 621.)

DEPARTMENT:

Earth and Environmental Sciences

PLN644 - Graduate Cooperative Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

May be repeated for a maximum of six credits. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Earth and Environmental Sciences

PLN693 - Special Problems in Urban Planning
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is designed for students who have an aptitude for research in urban planning. May be repeated one time for credit.

DEPARTMENT:

Earth and Environmental Sciences

POL: Political Science

POL100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Required from all entering freshmen and transfer students with less than 12 hours of earned credit prior to their first semester at Murray State University. Graded pass/fail.

DEPARTMENT:

Political Science & Sociology

POL140 - American National Government
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The American political system, its constitution, institutions and processes. An approved social science University Studies elective.

DEPARTMENT:

Political Science & Sociology

POL240 - State and Local Politics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of the three branches of state government coupled with an examination of the politics, organizations and functions of counties, townships and special districts.

DEPARTMENT:

Political Science & Sociology

POL250 - Introduction International Relations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The nature of international society and the forces affecting the behavior of states in their relations with one another. An approved social science University Studies elective. POL 250 will not fulfill the requirements of HON 270.

DEPARTMENT:

Political Science & Sociology

POL252 - Introduction to Comparative Politics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides the student with comparative and evaluative concepts and approaches necessary to developing an intelligent understanding and appreciation of the world's diverse political systems. An approved social science University Studies elective. POL 252 will not fulfill the requirements of HON 272.

DEPARTMENT:

Political Science & Sociology

POL261 - Introduction to Political Theory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to the concepts, enduring questions, and significant thinkers associated with political philosophy. Specific attention will be given to differing conceptions of human nature, politics, the state, civic obligations and rights, freedom, justice, and democracy.

DEPARTMENT:

Political Science & Sociology

POL301 - Model United Nations I
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course provides students with thorough understanding of the roles and functions of the United Nations System. May be repeated for a maximum of two credit hours. (Fall)

DEPARTMENT:

Political Science & Sociology

POL302 - Model United Nations II
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

This course, as a continuation of POL 301, provides students with advanced understanding of the roles and functions of the United Nations System. Students may attend regional/national level conferences. May be repeated for a maximum of four credit hours. (Spring)

Prerequisites

POL 301

DEPARTMENT:

Political Science & Sociology

POL341 - Local Governments in Rural Areas and Small Communities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The legal basis, organization, and functions of rural and small town governments in the United States, with special emphasis on administration and problems of non-urban communities.

DEPARTMENT:

Political Science & Sociology

POL342 - Ethnic Politics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the role played by ethnicity in American politics. The class will explore how racial and ethnic groups shape and are shaped by the American political system.

DEPARTMENT:

Political Science & Sociology

POL343 - Kentucky Government and Politics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A meaningful examination of the political processes and governmental machinery essential to an adequate understanding of government and politics in Kentucky.

DEPARTMENT:

Political Science & Sociology

POL344 - Media and Politics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

Description

The roles of media in the American political process.

DEPARTMENT:

Political Science & Sociology

POL345 - Campaigns and Elections
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Considers the practical aspects of campaigning for public office on all levels of government including strategy, financing, organization, research, and media.

DEPARTMENT:

Political Science & Sociology

POL356 - Modern Middle East
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS356 - Modern Middle East

Description

History of the Middle East from 1700 to present, emphasizing political, social, and economic development of the region. Topics include the decentralization of empires, European imperialism, nationalism, constitutionalism, secularism, and state building. (Same as HIS 356.)

DEPARTMENT:

Political Science & Sociology

POL359 - Writing and Inquiry in the Social Sciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

SOC359 - Writing and Inquiry in the Social Sciences

Description

The course focuses on the inquiry process that is used in the social sciences and how the results of that inquiry are reported to others. Students will learn how to recognize, understand, and apply specific style, format, and rhetorical requirements for clear and concise expository writing in the social sciences. Students will create a variety of documents that typically include an essay, an annotated bibliography, and analytic case study, a policy brief, letters, memoranda, a policy or procedure, and the development of a research paper through the research design. This is the writing-intensive course for all majors in political science, sociology, international studies, and public administration. (Same as SOC 359.)

Prerequisites

ENG 105 or 150

DEPARTMENT:

Political Science & Sociology

POL360 - Research Methods
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

SOC360 - Research Methods

Description

Course will introduce students to social science research methods. Emphasis will be placed on the scientific method, research design, the various methods of data collection commonly used in political science and sociology, and data analysis. (Same as SOC 360.)

Prerequisites

PSY 300 or STA 135; and POL 359

DEPARTMENT:

Political Science & Sociology

POL438 - Inequality and Social Policy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course engages in a comparative study of social policies across advanced industrial democracies. The course examines fundamental differences in social policy, with close attention to dimensions of economic inequality and gender inequality. Leading to an investigation of the relative role of partisanship, business interests, social movements, labor unions, international pressures, demographic changes in shaping, and transforming social policy.

DEPARTMENT:

Political Science & Sociology

POL439 - Public Sector Leadership
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course examines theories and practices of leadership in public and nonprofit sector organizations. Emphasis is given to competing theories of leadership and to the examination of leadership through theoretical reference frames.

DEPARTMENT:

Political Science & Sociology

POL440 - Political Parties and Interest Groups
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The nature, development, organization and functions of American political parties and interest groups.

DEPARTMENT:

Political Science & Sociology

POL441 - Legislative Process
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The behavior of American legislative bodies and legislators.

DEPARTMENT:

Political Science & Sociology

POL442 - Government and Business
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The role of government and politics in the regulation of business activities and the administration of major legislative enactments.

DEPARTMENT:

Political Science & Sociology

POL443 - Executive Process
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the origin, development, and current status of the executive process with primary emphasis on the American Presidency.

DEPARTMENT:

Political Science & Sociology

POL444 - Judicial Process
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

LST444 - Judicial Process

Description

A political science course that surveys the nature, functions and sources of law and the role of politics and the courts in the administration of justice. (Same as LST 444.)

DEPARTMENT:

Political Science & Sociology

POL445 - Constitutional Law I: Developments and Trends
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

LST445 - Constitutional Law I: Development and Trends

Description

A political science course that surveys the development of and historic trends in selected subjects of constitutional law. (Same as LST 445.)

DEPARTMENT:

Political Science & Sociology

POL447 - Constitutional Law II: Civil Liberties and Civil Rights
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

LST447 - Constitutional Law II: Civil Liberties and Civil Rights

Description

A political science course that studies the leading court decisions and their impact on the development of American Constitutional Law in the subject areas of civil liberties (Amendment I), civil rights (Amendments IV, V, VI, VIII, and IX), and the equal protection and due process clauses of Amendment XIV. (Same as LST 447.)

DEPARTMENT:

Political Science & Sociology

POL448 - Healthcare Policy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is an undergraduate level examination of the components of health care policy; health insurance and benefits planning, negotiation, and delivery; and health promotion within the context of public sector employment in national, state, and local governments.

DEPARTMENT:

Political Science & Sociology

POL449 - Human Rights
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides students with an understanding of the development and evolution of human rights and the factors influencing human rights standards globally.

DEPARTMENT:

Political Science & Sociology

POL450 - Modern Africa
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS450 - Modern Africa

Description

A study of Africa since about 1880, including the transformation of African societies and their political development, with emphasis on the contact with other cultures, the growth of nationalism and nationalist movements, and the questions of African unity and neocolonialism. (Same as HIS 450.)

DEPARTMENT:

Political Science & Sociology

POL451 - Government and Politics of Europe
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The dynamics of change in the political systems of Europe, focusing on government institutions and the development of the European Union.

DEPARTMENT:

Political Science & Sociology

POL453 - Government and Politics of Latin America
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The dynamics of change in the political systems of Latin America, focusing on the problems and patterns of political and economic development.

DEPARTMENT:

Political Science & Sociology

POL454 - Government and Politics of Asia
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The governmental institutions and political processes of China, Japan, and other selected states in Asia.

DEPARTMENT:

Political Science & Sociology

POL456 - American Foreign Policy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The formulation and implementation of U.S. foreign policy.

DEPARTMENT:

Political Science & Sociology

POL457 - International Law and Organizations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

LST457 - International Law and Organizations

Description

The origin and development of international law and international organizations.

DEPARTMENT:

Political Science & Sociology

POL458 - European Union Politics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will consist of an examination of the economic and political factors that led to the formation and development of the European Union. Emphasis will be placed on the institutions and policies of the European Union.

DEPARTMENT:

Political Science & Sociology

POL459 - Politics of China
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course introduces students to the political system of the People's Republic of China, its political economy, and its foreign relations, from the Maoist Revolution to the present day.

DEPARTMENT:

Political Science & Sociology

POL460 - Political Behavior
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to major concepts and systems of thought useful in explaining and understanding political behavior.

DEPARTMENT:

Political Science & Sociology

POL461 - Classical and Medieval Political Thought
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The development of political thought from the classical Greeks to the Renaissance with emphasis on Plato, Aristotle, Augustine and Aquinas.

DEPARTMENT:

Political Science & Sociology

POL462 - Modern Political Thought
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The development of political thought from the Renaissance to the present with emphasis on Machiavelli, Hobbes, Locke, Rousseau, Burke, Marx, and the contemporary malaise.

DEPARTMENT:

Political Science & Sociology

POL463 - American Political Thought
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The American political tradition from its colonial origins to the present with emphasis upon the major political writers.

DEPARTMENT:

Political Science & Sociology

POL464 - International Political Economy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides students with an overview of the themes within international political economy, including globalization, trade, economic sanctions, foreign aid, and international development strategies.

DEPARTMENT:

Political Science & Sociology

POL465 - War and International Security
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course examines various issues involved in war and peace including why some states choose force while others do not and what factors promote or prevent war. These questions will be investigated in a general framework using scientific methods rather than focusing on a specific war.

DEPARTMENT:

Political Science & Sociology

POL467 - Regulatory Policy and Politics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An undergraduate level study of political, economic, administrative, and legal aspects of government regulation.

DEPARTMENT:

Political Science & Sociology

POL468 - Ethics in Public Administration
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course addresses the individual, managerial, organizational and societal challenges of establishing and maintaining ethical conduct within public organizations. This course will cover moral, philosophical, and legal perspectives on public ethics within government agencies and non-profit organizations.

DEPARTMENT:

Political Science & Sociology

POL469 - Terrorism, Insurgency, and Counterterrorism
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will provide an overview of terrorism, including its psychological and economic roots, the political consequences of terrorism and insurgencies, and analyze how countries work domestically and internationally to combat these activities.

DEPARTMENT:

Political Science & Sociology

POL470 - Foundations of Public Administration
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The theory and practice of the administration and management of governmental operations; politics, policy and the bureaucracy.

DEPARTMENT:

Political Science & Sociology

POL471 - Contemporary Public Policy Issues
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Consideration of social, economic, and political influences on the formation, direction, and implementation of public policy, with special emphasis on current issues.

DEPARTMENT:

Political Science & Sociology

POL472 - Public Planning and Evaluation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of major planning and evaluation techniques of governmental programs.

DEPARTMENT:

Political Science & Sociology

POL473 - Public Budgeting and Finance
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course examines budgeting as a tool of governmental economic and public policy. Specifically, the course considers the evolution and purposes of budgeting, with special attention given to recent efforts to improve government resource allocation.

DEPARTMENT:

Political Science & Sociology

POL474 - Public Organizations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course introduces management of public and nonprofit organizations by reviewing the history and evolution of organization theory and the application of these theories to 21st-century public and nonprofit organizations. Topics such as organizational culture, conflict, stress, communication, leadership, groups, power and politics, and ethics will be examined in an attempt to explain and predict employee behavior in the context of public organizations.

DEPARTMENT:

Political Science & Sociology

POL476 - Law in Public Administration
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

LST476 - Law in Public Administration

Description

An examination of the role of law in the administrative process. Topics to be covered include administrative rulemaking and adjudication, enabling statutes, open records and open meetings laws, procedural due process, and civil liability and immunity for public employees and governments. (Same as LST 476.)

DEPARTMENT:

Political Science & Sociology

POL477 - Local Government Administration
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the economic, political, and social environments of cities and other forms of local governments as well as the impact those environments have on local government administration. The roles and tasks of local government management, as affected by metropolitan conditions and state, regional, and federal governments, are also examined.

DEPARTMENT:

Political Science & Sociology

POL479 - Public Sector Labor Relations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An intensive examination of the emergence of, current Federal and State policies on, and impacts of unionization and collective bargaining in the public sector. Special emphasis is placed on the responsibilities of public employees and public administrators in their respective roles in contract bargaining and administration. The course includes multiple simulation exercises and workshops on labor-management practices.

DEPARTMENT:

Political Science & Sociology

POL480 - Topical Seminar in Political Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Inquiry into selected topics and problems in the field of political science. May be repeated for a maximum of six hours provided topics vary.

DEPARTMENT:

Political Science & Sociology

POL481 - Public Sector Human Resource Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of public sector human resource and human capital management in the federal, state, and local governments, including such topics as types of personnel systems; recruitment and selection; compensation and benefits; training and development; performance management; legal compliance; diversity; and labor-management relations.

DEPARTMENT:

Political Science & Sociology

POL482 - Land Use and Planning Law
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

LST482 - Land Use and Planning Law

Description

An undergraduate level examination of the legal, political, and economic aspects of efforts to control the use of land. The course will cover constitutional, statutory, and common law issues regarding nuisance suits, private covenants, subdivision controls, zoning and zoning procedure, planning processes, and the exercise of eminent domain. (Same as LST 482.)

DEPARTMENT:

Political Science & Sociology

POL483 - Comparative Public Adminostratopm
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A comprehensive comparative study of public administration in a variety of different political, legal, and economic systems.

DEPARTMENT:

Political Science & Sociology

POL484 - Comparative Public Policy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A comprehensive comparative study of public policy in a variety of different political, legal, and economic systems.

DEPARTMENT:

Political Science & Sociology

POL485 - Local Government Law
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

LST485 - Local Government Law

Description

An undergraduate level study of basic standards of law pertaining to various forms of local government, including municipalities, counties, special districts, public authorities, and school districts. (Same as LST 485.)

DEPARTMENT:

Political Science & Sociology

POL488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. To be eligible, a student must be a POL major or minor with junior or senior status and an overall GPA of 2.5. In addition, the student must have at least nine hours in POL courses (POL 140 and six hours from POL 240, 250, 252, and 261) with a GPA of 2.8. Six hours of the POL courses must be completed at MSU. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Institute of Engineering

POL489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. To be eligible, a student must be a POL major or minor with junior or senior status and an overall GPA of 2.5. In addition, the student must have at least nine hours in POL courses (POL 140 and six hours from POL 240, 250, 252, and 261) with a GPA of 2.8. Six hours of the POL courses must be completed at MSU. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of chair

DEPARTMENT:

Political Science & Sociology

POL495 - Special Problems
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Supervised readings or research in selected subjects designed to supplement regular course offerings. Requires chair's approval. Restricted to junior and senior students. May be repeated up to six hours. Only three hours may count toward major.

Prerequisites

Fifteen hours of POL courses with a minimum overall GPA of 3.0; a minimum GPA of 3.25 for POL courses taken for the major or minor; and permission of department chair

DEPARTMENT:

Political Science & Sociology

POL499 - Senior Seminar Political Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Capstone course for all majors in Political Science and International Studies. It is a writing-intensive course in which a discipline-based research paper is refined and orally defended. Students also develop job and graduate education search skills as well as complete program assessment instruments.

Prerequisites

Senior standing and POL 360

DEPARTMENT:

Political Science & Sociology

POL639 - Public Sector Leadership
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course examines theories and practices of leadership in public and nonprofit sector organizations. Emphasis is given to competing theories of leadership and to the examination of leadership through theoretical reference frames.

DEPARTMENT:

History

POL642 - Government and Business
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The role of government and politics in the regulation of business activities and the administration of major legislative enactments.

DEPARTMENT:

Political Science & Sociology

POL648 - Health Policy
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

HEA648 - Health Policy

Description

Course addresses how public policy development and analysis have an impact on the public's health. The course is designed to provide professionals with the skills for collecting, analyzing, and communicating information on public health policy issues using approaches that would be useful in the policy making arena. Students will learn what policy is, who the policymakers are in public health, who the actors are who are affected by public health policy, and the major influences in determining what policy gets implemented, including the science underlying policy proposals. (Same as HEA 648.)

DEPARTMENT:

Political Science & Sociology

POL659 - Intergovernmental Relations
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A seminar on the evolution, growth, and present nature of federal, state, and local interrelationships, with an emphasis on grants-in-aid and their implementation.

DEPARTMENT:

Political Science & Sociology

POL660 - Research Methods
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Examines the process of research in public affairs, with an emphasis on quantitative methods and techniques. Required of all MPA students.

DEPARTMENT:

Political Science & Sociology

POL667 - Regulatory Policy and Politics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of political, economic, administrative, and legal aspects of government regulation. The course is intended to prepare practitioners for work in the field of regulatory policy.

DEPARTMENT:

Political Science & Sociology

POL668 - Ethics in Public Administration
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is on the individual, managerial, organizational, and societal challenges of establishing and maintaining ethical conduct within public organizations. The course will cover moral, philosophical, and legal perspectives on public ethics within government agencies and non-profit organizations.

DEPARTMENT:

Political Science & Sociology

POL670 - Foundations of Public Administration
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A graduate-level introduction to the study of public administration, covering substantive topics in the field as well as the political dimensions of public service and the ethical issues faced by government practitioners. Emphasis is placed on the development of the discipline as a field of inquiry. Must be taken in the first semester of coursework in the MPA program.

DEPARTMENT:

Political Science & Sociology

POL671 - Public Policy Analysis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Problems and methods in perception of public problems, determination of goals, generation and evaluation of alternative policy practices and programs, and explanation of policy choices. Emphasis on political and analytical methods of examining policy making and policy outcomes. Includes a survey of literature dealing with theories of the policy process.

DEPARTMENT:

Political Science & Sociology

POL672 - Public Planning and Evaluation
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive, graduate-level examination of major planning and evaluation techniques for government programs.

DEPARTMENT:

Political Science & Sociology

POL673 - Public Budgeting and Finance
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive, graduate-level overview of public agency and governmental budgeting and finance at the federal, state, and local government levels. This course examines budgeting as a tool of governmental economic and public policy. Specifically, the course considers the evolution and purposes of budgeting with special attention given to recent efforts to improve government resource allocation.

DEPARTMENT:

Political Science & Sociology

POL674 - Public Organizations
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course introduces management of public and nonprofit organizations by reviewing the history and evolution of organization theory and the application of these theories to 21st century public and nonprofit organizations. Topics such as organizational culture, conflict, stress, communication, leadership, groups, power and politics, and ethics will be examined in an attempt to explain and predict employee behavior in the context of public organizations.

DEPARTMENT:

Political Science & Sociology

POL677 - Local Government Administration
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive study of the economic, political, and social environments of cities and other forms of local governments and the impact those environments have on local government administration. The roles and tasks of local government management, as affected by metropolitan conditions and state, regional, and federal governments, are also examined.

DEPARTMENT:

Political Science & Sociology

POL678 - State and Regional Government, Politics and Administration
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Comparative study of state and regional governments, administration, policies, and problems. Empirical research concerning structures, institutions, and political processes and the relationship between them and the policy outputs is examined and analyzed. Contemporary issues are examined from a comparative perspective to determine explanations for the variation among executives, legislatures, and bureaucracies in addressing or resolving these issues.

DEPARTMENT:

Political Science & Sociology

POL679 - Public Sector Labor Relations
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive examination of, current Federal and State policies on, and impacts of unionization and collective bargaining in the public sector. Special emphasis is placed on the responsibilities of public employees and public administrators in their respective roles in contract bargaining and administration. The course includes multiple simulation exercises and workshops on labor-management practices.

DEPARTMENT:

Political Science & Sociology

POL680 - Topical Seminar in Public Administration
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Inquiry into selected topics and problems in the field of public administration. May be repeated for a maximum of six hours provided topics vary.

DEPARTMENT:

Political Science & Sociology

POL681 - Public Sector Human Resource Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive, graduate-level overview of public sector human resource and human capital management in the federal, state, and local governments, including such topics as types of personnel systems; recruitment and selection; compensation and benefits; training and development; performance management; legal compliance; diversity; and labor-management relations. Students address the literature in one of these areas.

DEPARTMENT:

Political Science & Sociology

POL682 - Land Use and Planning Law
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A comprehensive examination of the legal, political, and economic aspects of efforts to control the use of land. The course will cover constitutional, statutory, and common law issues regarding nuisance suits, private covenants, subdivision controls, zoning and zoning procedure, planning processes, and the exercise of eminent domain.

DEPARTMENT:

Political Science & Sociology

POL683 - Comparative Public Administration
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A comprehensive comparative study of public administration in a variety of different political, legal, and economic systems.

DEPARTMENT:

Political Science & Sociology

POL684 - Comparative Public Policy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A comprehensive comparative study of public administration in a variety of different political, legal, and economic systems.

DEPARTMENT:

Political Science & Sociology

POL685 - Public Administration Capstone
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course integrating the theories and methods of public administration in a major research project related to a substantive management or analytic problem in the public sector. Students must propose, execute, and publicly defend their project after completing a major review of public administration literature. Normally this course shall be taken in the last semester of graduate work with the M.P.A. program. Required for all M.P.A. students. Admission to the course is contingent upon student submission of an acceptable capstone research proposal approved by the instructor.

Prerequisites

POL 660, 670, 671, 673, 674, and 681; permission of instructor

DEPARTMENT:

Political Science & Sociology

POL686 - Law in Public Administration
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An examination of the role of law in the administrative process. Topics to be covered include administrative rulemaking and adjudication, enabling statutes, open records and open meetings laws, procedural due process, and civil liability and immunity for public employees and governments.

DEPARTMENT:

Political Science & Sociology

POL687 - Local Government Law
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study of basic standards of law pertaining to various forms of local government, including municipalities, counties, special districts, public authorities, and school districts. Statutory, constitutional, and common law standards of law applicable to local governments will be examined. The course is intended to prepare local government practitioners for the legal challenges that they will face in their careers.

DEPARTMENT:

Political Science & Sociology

POL690 - Administrative Internship
CREDITS:

1 - 6

COURSE LEVEL:

Graduate

Description

A full-semester directed internship with an agency concerned with the administration of public affairs. Graded pass/fail.

Prerequisites

Completion of nine hours from the following: POL 660, 670, 671, 673, 674, or 681; 3.0 GPA in all graduate work; and permission of department chair

DEPARTMENT:

Political Science & Sociology

POL695 - Special Problems
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Supervised readings or research in selected subjects designed to supplement regular course offerings. Prerequisite: completion of nine hours from the following: POL 670, 671, 673, 674 or 676; 3.25 minimum GPA, and permission of chair.

Prerequisites

Completion of nine hours from the following: POL 670, 671, 673, 674, or 681; 3.25 minimum GPA; and permission of department chair

DEPARTMENT:

Political Science & Sociology

POR: Portuguese

POR101 - Fundamental Communication in Portuguese
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Basic Portuguese in which students learn to describe themselves to someone from another culture; to express preferences, abilities, needs, and obligations; to ask for information; to describe people, places, and things in their world; and to report their typical activities to a Portuguese speaker. Taught in English and Portuguese.

DEPARTMENT:

Global Languages and Theatre Arts

POR102 - Social Interactions in Portuguese
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

Description

Expanding upon skills built in POR 101, students move toward increasing linguistic and social awareness of Portuguese-speaking cultures. Students learn to use past tenses to talk about typical activities or to tell a story; to expand their basic vocabulary and ability to communicate in simple Portuguese; and to demonstrate basic understanding of aspects of Portuguese-speaking cultures that may differ from their own. Taught in English and Portuguese.

Prerequisites

POR 101

DEPARTMENT:

Global Languages and Theatre Arts

POR201 - Intercultural Communication in Portuguese
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students strengthen their basic language skills while continuing to broaden cultural awareness of Portuguese-speaking societies. Students relate experiences, produce brief reports on course topics, and express opinions concerning a variety of themes in Portuguese. Students learn to communicate on a more complex level in Portuguese. Taught in Portuguese and English.

Prerequisites

POR 102

DEPARTMENT:

Global Languages and Theatre Arts

POR202 - Practical Applications in Portuguese
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students advance their speaking, writing, reading, and listening language skills in this interactive course focused on the practical application of the language in contemporary Portuguese-speaking countries. Activities include role-play, projects, reports, and discussions of texts. Taught in English and Portuguese.

Prerequisites

POR 201

DEPARTMENT:

Global Languages and Theatre Arts

POR301 - Conversation and Composition in Portuguese
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Intensive practice in speaking and writing in Portuguese based on a variety of topics and materials.

Prerequisites

POR 202

DEPARTMENT:

Global Languages and Theatre Arts

PSE: Postsecondary Education

PSE615 - Introduction to Student Affairs in Higher Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The historical and philosophical development of the student affairs profession will be explored and discussed. Major topics include an in-depth study of the departments that typically constitute the division of student affairs. This includes history, function, trends, issues and significant personnel. Class content will be presented in seminar format.

DEPARTMENT:

Educational Studies, Leadership and Counseling

PSE616 - College Students in the United States
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The characteristics of the contemporary college student in the United States will be examined. Major topics will include an examination of the motivations for entering institutions of higher education, developmental theory related to college students, problems and challenges specific to the American concept of making higher education accessible to a large percentage of the population, and the impact of contemporary economic and social trends on the college population.

DEPARTMENT:

Educational Studies, Leadership and Counseling

PSE630 - Globalization and Internationalization in Higher Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course serves as the introduction to the principles and practices of globalization and internationalization within the field of higher education. In addition to preparation for the international education specialist, the course offers the aspiring higher education generalist an overview of global issues and context in extending international education opportunity and knowledge to both international and domestic students in the United States. The course addresses the major components of international programs administration and campus internationalization.

DEPARTMENT:

Educational Studies, Leadership and Counseling

PSE700 - History and Foundations of American Higher Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides a historical overview of the U.S. system of higher education, with an emphasis on the development of colleges and universities, and how these developments have shaped current policies and practices in higher education. Curricular, administrative, and policy issues will be explored.

DEPARTMENT:

Educational Studies, Leadership and Counseling

PSE710 - Higher Education and the Law
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course examines legal issues relevant to American colleges and universities to provide educational leaders with the fundamental knowledge of higher education law for administrators. Key legal principles that impact professional practice in higher education that may be discussed include the legal governance of higher education, academic freedom, affirmative action, and other legal issues pertinent to faculty, staff and students.

Prerequisites

Permission of instructor

DEPARTMENT:

Educational Studies, Leadership and Counseling

PSE720 - Internship I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides a comprehensive examination of the nature of Higher Education through an internship in a Student Affairs setting. The student will complete a semester internship approved setting. Supervision will be by the site supervisor and the instructor. Field experience is required.

Prerequisites

PSE 615 and 616

DEPARTMENT:

Educational Studies, Leadership and Counseling

PSE730 - Internship II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides a comprehensive examination of the nature of Higher Education through an internship in a Student Affairs setting. The student will complete a semester internship approved setting. Supervision will be by the site supervisor and the instructor. Field experience is required.

Prerequisites

PSE 720 and permission of instructor

DEPARTMENT:

Educational Studies, Leadership and Counseling

PSE740 - Contemporary Issues in Postsecondary Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The purpose of this course is to investigate contemporary issues impacting higher education. Current trends and innovation are critical themes for educational leaders to explore. Special topics in higher education explored in the course may include funding, policy, access, technology, learning initiatives and special populations.

DEPARTMENT:

Educational Studies, Leadership and Counseling

PSE750 - Academic Program Management and Evaluation
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course introduces students to the subject of managing and evaluating academic programs in a higher education setting. Faculty credentialing and the program assessment practices will be examined.

DEPARTMENT:

Educational Studies, Leadership and Counseling

PSE755 - Postsecondary Instructional Support Systems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course examines the comprehensive nature of the instructional support system as a vital component in the evolving P-20 learner-centered environments of education. Theory and effective practice are used to guide the discussion and investigate the issues. Students investigate and seek potential solutions to authentic problems facing educational leaders such as diversity needs of students, instructional support, advising strategies, enrollment management, recruitment and retention, placement testing, career development, residential life, and student activities.

DEPARTMENT:

Educational Studies, Leadership and Counseling

PSE760 - Organization and Operations in Postsecondary Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The focus of this course is the management and planning functions within higher education institutions. Students will examine the competencies and training necessary to address key operational and leadership roles specific to the allocation and management of resources to meet the mission of the institution. Resources other than financial will be included, and special emphasis will be given to maintenance of facilities, institution and community resources, personnel, and time.

DEPARTMENT:

Educational Studies, Leadership and Counseling

PSE765 - Community College Leadership
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Concepts and practices related to decision-making, governance, administrative structure, operations, and other leadership functions are the focus of this course. The mission, development, and structure of the community college are explored, along with current trends and innovations influencing the institutions. Practical applications in community college leadership will be investigated while allowing students to develop knowledge based on grounded in theory and research.

DEPARTMENT:

Educational Studies, Leadership and Counseling

PSE770 - Academic Leadership in Higher Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will focus on various roles and responsibilities of faculty members and individuals within academic leadership positions. The administrative contexts and organizational cultures within which they work will be analyzed, along with the career patterns of the academic person.

DEPARTMENT:

Educational Studies, Leadership and Counseling

PSY: Psychology

PSY100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Psychology

PSY180 - General Psychology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A basic course introducing the student to psychology as a science that can be applied to practical problems and everyday issues by learning the methods, concepts, and terminology of the discipline. Note: This course is a prerequisite to all other courses in psychology.

DEPARTMENT:

Psychology

PSY190 - Research Skills for Psychology
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Course provides students with practical experience in the techniques and problems associated with research in psychology. Emphasis is placed on learning skills associated with conducting research on psychological topics. Arrangement for faculty supervision is required prior to enrolling. May be repeated to a maximum of nine hours. No more than three hours count toward the psychology major or minor. Graded pass/fail.

Prerequisites

PSY 180 or HON 180; approval by faculty sponsor and the department chair

DEPARTMENT:

Psychology

PSY199 - Developing Psychological Skills
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

An applied course for students interested in enhancing their psychological skills. This course is recommended for persons in performance fields (e.g., psychology, physical education, social work, nursing, performing arts, business, etc.) who wish to improve their mental skills such as emotional and attentional control. Letter-graded course.

DEPARTMENT:

Psychology

PSY210 - Career Planning Seminar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Seminar for psychology majors, focusing on career exploration, employment opportunities, the job search process, graduate school, and related issues. Recommended for students in their sophomore or junior year. Letter-graded course.

Prerequisites

PSY 180 or HON 180 and sophomore standing or higher

DEPARTMENT:

Psychology

PSY221 - Psychology of Human Sexuality
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A presentation of the psychological aspects of human sexuality as well as an exploration of contemporary psychological research and theory in the field. Topics are addressed from various perspectives (behavioral, social, cultural and biological) and include homosexuality, pornography, sexually transmitted disease, early sexual learning, adult sexual lifestyles and sexual dysfunction and treatment.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY222 - Sport Psychology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is a survey of theory and research regarding the psychological aspects of sport and physical activity. Topics addressed include history of sport psychology, research methods and testing, learning, personality, attention, arousal, intervention, motivation, attribution, aggression, leadership, group dynamics, and audience effects as they relate to athletes, coaches and officials.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY223 - Psychology of Sport Fans
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will be a survey of theory and research regarding the psychological and sociological significance of sport fandom and spectating. Topics addressed will include the prevalence of sport fandom, factors affecting involvement in sport as a fan and spectator, spectator aggression, the psychological impact of spectating, and the societal impact of spectating.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY228 - Close Relationships
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the psychological constructs involved in close relationships using both classic and modern research. Students will examine the elements, processes, and phases of both intimate and non-intimate relationships.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY229 - Psychology of Social Influence
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the psychological constructs, historical and modern research, and applications associated with social influence. Topics include the power of relationships, persuasion, attitude, marketing, and the formation and maintenance of cult behaviors. Students will learn to apply influence techniques and strategies used in both social venues and advertising/marketing.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY245 - Law and Psychology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of the area of forensic psychology. Topics covered include aspects of criminal behavior, the insanity defense, competency, commitment of the mentally ill, and professional issues.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY260 - Lifespan Development
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey course of theory and research examining the changes and consistencies associated with human development from conception to death. Infancy, childhood, adolescence, and early, middle, and late adulthood will be examined.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY261 - Child Psychology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the biological, social, affective and cognitive aspects of the development of children from conception to adolescence. The implications of this development for present and future behaviors are presented. The research, principles, concepts and theories of child psychology are emphasized.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY262 - Adolescent Psychology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the biological, social, affective and cognitive aspects of the development of adolescents from puberty to young adulthood. The relationship of these developmental aspects to the individual's past, present and future behaviors are stressed. The research, theories, concepts and principles pertaining to adolescent psychology are presented.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY264 - Psychology of Aging
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

GTY264 - Psychology of Aging

Description

The study of the biological, cognitive, affective and social aspects of the aging process. The normal and pathological conditions of aging are emphasized. The interaction of the aged and society is also considered. (Same as GTY 264.)

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY265 - Psychology of Death
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

GTY265 - Psychology of Death

Description

A study of the place of death in the process of human development. Two viewpoints will be stressed: death of self and death of others. Emphasis will be given to the cultural, social, biological and affective aspects related to the final stage of life. Customs, medical practices, financial concerns, legal matters and scientific issues will be considered. (Same as GTY 265.)

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY300 - Principles and Methods of Statistical Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to descriptive and inferential statistics as used in the behavioral sciences and human services. Computer-based techniques of statistical analysis are emphasized throughout the course.

Prerequisites

MAT 117, 130, 140, 145, 150, 220, 230, 250, 308, 309, 330, or STA 135

DEPARTMENT:

Psychology

PSY301 - Principles and Methods of Psychological Research I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to research techniques and resources in the field of psychology, covering scientific foundations of psychology; empirical research methods, both experimental and non-experimental; data analysis and scientific writing; literature search procedures; ethical issues.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY302 - Topical Seminar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A particular topic or combination of topics will be covered when there is sufficient student interest. Students will be expected to contribute to discussions on the basis of readings in the selected areas. Credit will be given for up to nine credit hours for courses with a different topic.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY303 - Social Psychology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of current theory and research regarding social behavior. Topics addressed include person perception, self-perception, attitude change, influence, pro-social behavior, transgressive behavior and group phenomena.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY307 - Abnormal Psychology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to the definition, classification, causes and treatment of abnormal behavior. Research methodologies and findings receive emphasis equal to that of "clinical" or applied considerations.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY310 - Health Psychology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of theories, research, and interventions that emphasize interactions among biological, psychological, and social influences on physical health and health behavior. Topics include theories of health behavior, stress, coping, and psychology's role in medicine.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY315 - Principles and Methods of Psychological Research II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the application of research techniques in the field of psychology. Includes a practical introduction to scientific literature in the field of psychology as well as the collection, analysis, and presentation of new data. Overarching themes include effective written communication, scientific literacy, and adherence to the ethical tenets of psychology.

Prerequisites

ENG 105 or ENG 150; PSY 301; PSY 300 (pre- or corequisite), and the completion of six additional hours of PSY courses

DEPARTMENT:

Psychology

PSY321 - Sensation and Perception
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the sensory systems, psychophysical methods, and principles of perception that contribute to conscious experience.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY322 - Motivation and Emotion
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Presentation of basic concepts of motivation and emotion.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY324 - Cross-Cultural Psychology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the theoretical, empirical, and applied issues in the field of psychology and their implications for the study of human behavior and well-being. Emphasis is placed on multicultural foundation for understanding psychological factors such as cognition, social behavior, and treatment of psychological disorders.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY325 - Introduction to Clinical Psychology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction for undergraduate students to the field and profession of clinical psychology. Topics covered include the historical and cultural context of the field, its scientific and theoretical aspects, the nature of psychological assessment, and the various intervention approaches in current use.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY326 - Psychology of Language
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of psychological research on language behavior and the role of language in social and cultural contexts. Emphasis on understanding language processes in both the adult speaker and the child acquiring language.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY327 - Problem-Solving and Decision-Making
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to behavioral decision making theory, research. Topics include the roles of memory and knowledge organization in critical thinking, logic and reasoning in problem-solving, decision-making under uncertainty, heuristics and biases, and multidisciplinary applications.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY331 - Experimental Analysis of Behavior
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to core concepts and principles of behavior analysis. Overarching themes include philosophical assumptions of behavior analysis, operant and respondent conditioning, and verbal behavior.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY332 - Behavioral Measurement and Assessment
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to behavioral measurement, behavioral assessment, and single care experimental designs. Overarching themes include designing, implementing, and evaluating various behavioral measurement systems, with particular attention placed on functional behavioral assessment.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY333 - Applied Behavior Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to fundamental elements of behavior change and specific behavior change procedures. Emphasis will be placed on designing, implementing, and evaluating the effectiveness of various behavior change procedure.

Prerequisites

PSY 331 or 332

DEPARTMENT:

Psychology

PSY334 - Behavioral Approaches to Autism Spectrum Disorder
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An overview of behavioral treatments of autism spectrum disorder. An emphasis will be placed on applied behavior analytic assessments and interventions that target behavioral deficits and excesses common in this population.

Prerequisites

PSY 331 or 332 or 333 or 335 (or concurrent enrollment)

DEPARTMENT:

Psychology

PSY335 - Seminar in Ethics and Supervision in Behavior Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey and discussion of the professional conduct of behavior analysts and the ethical standards of the field. Emphasis is placed on the Behavior Analyst Certification Board's Professional and Ethical Compliance Code for Behavior Analysts and personnel supervision and management.

Prerequisites

PSY 331 or 332 or 333 or 334 (or concurrent enrollment)

DEPARTMENT:

Psychology

PSY360 - Directed Individual Study
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Individual programs involving readings or conducting a research project in psychology. Note: Arrangement for faculty supervision is required prior to enrolling. May be repeated to a maximum of nine hours. No more than three hours count toward the psychology major or minor.

Prerequisites

Approval by a faculty sponsor and the department chair

DEPARTMENT:

Psychology

PSY373 - Psychology of Consumer Behavior
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of current psychological theory and research regarding behavior of consumers. Topics addressed include perception, cognition, learning and memory, emotion and motivation, intentions, buying behaviors, effects of social contexts, effects of cultural contexts, sales interactions and applications to not-for-profit settings.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY390 - Animal Behavior
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is a survey of categories of behavior and the variables that influence these behaviors across species.

Prerequisites

PSY 301

DEPARTMENT:

Psychology

PSY402 - Senior Seminar in Psychology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course draws together the knowledge and analytical skills developed during the psychology major course of study and provides students with the opportunity to apply them to the study of a particular topic or combination of topics. Students will be expected to contribute to discussions on the basis of readings in the selected areas.

Prerequisites

PSY 300 and 301; completed or concurrent enrollment in PSY 260, 303, 307, 315, 414, and 415; senior standing

DEPARTMENT:

Psychology

PSY403 - History and Systems of Psychology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the systems and theories of psychology with emphasis on their historical development. Modern psychology is studied in the context of its philosophical roots and the evolution of the other sciences.

Prerequisites

PSY 300 and 301; completed or concurrent enrollment in PSY 260, 303, 307, 315, 414, and 415; senior standing

DEPARTMENT:

Psychology

PSY404 - Drugs, Alcohol and Behavior
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides a survey of the social, biological and psychological aspects of substance abuse, chemical dependency and addictive disorders.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY405 - Industrial and Organizational Psychology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of current theory and research regarding human behavior in industrial and organizational settings. Topics addressed include selection and placement, training and development, motivation, job satisfaction and performance, leadership, work environment, human factors, engineering and safety.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY406 - Personality
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The organization of the psychological characteristics which contribute to the uniqueness of the individual.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY408 - Applied Research Design and Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An advanced course designed to develop a comprehensive, integrated, and applied knowledge of issues surrounding the design, implementation, analysis, and evaluation of psychological research. Topics covered include research ethics, reliability and validity, descriptive and experimental design issues, and advanced statistical techniques. Students will be expected to design, conduct, and report the results of an original research project.

Prerequisites

PSY 300 and 315; completed or concurrent enrollment in PSY 260, 303, 307, 414, and 415; senior standing

DEPARTMENT:

Psychology

PSY414 - Psychology of Learning and Memory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Concerned with the principles and concepts of animal and human learning and memory and their bases in research. The student is introduced to learning theories and to theories of short-term and long-term memory.

Prerequisites

PSY 300 and 315 (or concurrent enrollment)

DEPARTMENT:

Psychology

PSY415 - Physiological Psychology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to physiological psychology as the study of the relationships between biological events and behavior. The structure and function of the human nervous system are studied.

Prerequisites

BIO 101 or 221; and PSY 300 (or concurrent)

DEPARTMENT:

Psychology

PSY460 - Directed Individual Study II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced individual programs involving readings or conducting a research project in psychology that involves the creative application of psychological concepts. Students are expected to design, conduct, and report the results of an original project. Arrangement for faculty supervision is required prior to enrolling.

Prerequisites

PSY 300, 315, and 360; completed or concurrent enrollment in PSY 260, 303, 307, 414, and 415; senior standing and approval by faculty sponsor and the department chair

DEPARTMENT:

Psychology

PSY471 - Behavior Modification
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course presents assumptions, concepts and methods of behavior modification. Emphasis is on broad psychological theory and application to human problems.

Prerequisites

PSY 180 or HON 180

DEPARTMENT:

Psychology

PSY487 - Internship
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An internship related to the professional objectives of the student for which he/she may receive academic credit and possible monetary compensation. Arrangements for faculty supervision is required prior to enrolling.

Prerequisites

PSY 300 and PSY 301; completed or concurrent enrollment in PSY 260, 303, 307, 315, 414, and 415; senior standing; instructor approval

DEPARTMENT:

Psychology

PSY488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Psychology

PSY499 - Senior Thesis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An undergraduate research thesis for outstanding senior majors only.

Prerequisites

PSY 300 and 315; completed or concurrent enrollment in PSY 260, 303, 307, 414, and 415; senior standing; and permission of the department chair upon nomination by a faculty member

DEPARTMENT:

Psychology

PSY600 - Statistics
CREDITS:

3 - 4

COURSE LEVEL:

Graduate

Description

Basic concepts of statistics are stressed. Specific topics include techniques dealing with single distributions, some correlational methods, probability, and an introduction to inferential statistics.

DEPARTMENT:

Psychology

PSY602 - Graduate Seminar
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Topical seminars in psychology. May be repeated to a maximum of six hours.

Prerequisites

Graduate standing in psychology and permission of instructor

DEPARTMENT:

Psychology

PSY604 - Drugs, Alcohol and Behavior
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course provides a survey of the social, biological and psychological aspects of substance abuse, chemical dependency and addictive disorders.

DEPARTMENT:

Psychology

PSY605 - Industrial and Organizational Psychology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A survey of current theory and research regarding human behavior in industrial and organizational settings. Topics addressed include selection and placement, training and development, motivation, job satisfaction and performance, leadership, work environment, human factors, engineering and safety.

DEPARTMENT:

Psychology

PSY606 - Personality
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The organization of the psychological characteristics which contribute to the uniqueness of the individual.

DEPARTMENT:

Psychology

PSY608 - Applied Research Design and Analysis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced course designed to develop a comprehensive, integrated, and applied knowledge of issues surrounding the design, implementation, analysis, and evaluation of psychological research. Topics covered include research ethics, reliability and validity, descriptive and experimental design issues, and advanced statistical techniques. Students will be expected to design, conduct, and report the results of an original research project.

DEPARTMENT:

Psychology

PSY610 - Graduate Seminar in General Experimental Psychology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A forum for discussing a wide range of issues related to research, academics, and other aspects of graduate school and careers in psychology. Students learn about requirements of the Master's Degree in General Experimental Psychology and research interests of the faculty. The course meets one day per week for one hour and is graded pass/fail.

DEPARTMENT:

Psychology

PSY620 - Graduate Seminar in Professional and Ethical Issues
CREDITS:

1

COURSE LEVEL:

Graduate

Description

A survey and discussion of the professional aspects of clinical psychology and the ethical standards of the field. Emphasis is placed on the ethical principles and statements of the American Psychological Association in regard to the practice of psychology, the conduct of research, and the use of psychological tests.

Prerequisites

Admission to psychology graduate program

DEPARTMENT:

Psychology

PSY621 - Biological Bases of Behavior
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced-level survey of the biological processes that underlie behavior.

Prerequisites

Admission to psychology graduate program

DEPARTMENT:

Psychology

PSY622 - Cognitive Bases of Behavior
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced-level survey of the cognitive processes that underlie behavior.

Prerequisites

Admission to psychology graduate program

DEPARTMENT:

Psychology

PSY623 - Social Bases of Behavior
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced-level survey of the social processes that underlie behavior.

Prerequisites

Admission to psychology graduate program

DEPARTMENT:

Psychology

PSY624 - Developmental Base of Behavior
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced-level survey of the developmental processes that underlie behavior.

Prerequisites

Admission to psychology graduate program

DEPARTMENT:

Psychology

PSY645 - Clinical Measurement and Evaluation I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Emphasis is placed on administration, scoring and clinical interpretation of a variety of intelligence tests. Report writing and research underlying intelligence tests and psychological evaluations are presented.

Prerequisites

Admission to clinical psychology graduate program

DEPARTMENT:

Psychology

PSY651 - Correlational Research Design and Statistics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An integrated treatment of advanced correlation and regression research designs and analyses. Topics include parametric and nonparametric measures of correlation and association; chi-square goodness-of-fit and tests of independence; simple and multiple regression.

DEPARTMENT:

Psychology

PSY652 - Univariate Research Design and Statistics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Advanced experimental design and research methodology is combined with a detailed treatment of analysis of variance.

DEPARTMENT:

Psychology

PSY655 - Topical Seminar in Research Design and Analysis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Selected topics in research design and data analysis. May be repeated for up to six credit hours.

Prerequisites

Permission of instructor

DEPARTMENT:

Psychology

PSY662 - Advanced Adolescent Psychology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Analysis and appraisal of scientific studies dealing with the problems characteristic of the adolescent period. Observations and library research projects supplement class assignments.

DEPARTMENT:

Psychology

PSY664 - Psychopathology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Theories and research pertaining to the etiologies, symptoms and prognosis of various behavior disorders are discussed.

Prerequisites

Admission to the clinical psychology graduate program

DEPARTMENT:

Psychology

PSY665 - Clinical Measurement and Evaluation II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Emphasis on the theory and application of personality tests used in clinical settings. Practice in the administration, scoring and interpretation of various clinical instruments will be afforded.

Prerequisites

PSY 645 and permission of instructor

DEPARTMENT:

Psychology

PSY666 - Advanced Clinical and Ethics Seminar
CREDITS:

1 - 2

COURSE LEVEL:

Graduate

Description

This course provides group discussion of active clinical cases, with attention paid to increasing diagnostic accuracy and sophistication, learning varied therapeutic approaches and becoming proficient in clinical interventions with demonstrated empirical support. Emphasis is placed on the understanding and resolution of legal and ethical issues that arise in clinical work. This course may be repeated for a maximum of four hours of credit. Graded pass/fail.

Prerequisites

Admission in the clinical psychology graduate program

DEPARTMENT:

Psychology

PSY667 - Practicum in Psychology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The student will work under close supervision in a clinical installation. Problems concerning psychopathology, diagnostics and psychotherapy will form the core of the work. This course may be repeated for a maximum six semester hours of credit.

Prerequisites

PSY 620, 645, 664, 665, and 670 with a minimum grade of B in each; an overall GPA of 3.0; and permission of instructor

DEPARTMENT:

Psychology

PSY668 - Advanced Practicum
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

The student will work under supervision of a licensed psychologist in a mental health facility. Emphasis is placed on the application of assessment and psychotherapy techniques with families, adults and children. This course may be repeated for a maximum of six hours of credit. Limited to students enrolled in the MSU master's degree program in clinical psychology.

Prerequisites

PSY 645, 664, 665, 667 and 670, with a minimum GPA of 3.0; at least two of the following: PSY 671, 672, 682 or 686; and permission of the instructor

DEPARTMENT:

Psychology

PSY670 - Psychotherapeutic Procedures
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Theories, practice and research are reviewed, with special emphasis on therapeutic procedures.

Prerequisites

Admission to the clinical psychology graduate program

DEPARTMENT:

Psychology

PSY671 - Behavior Modification
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An exploration of the learning foundations of behavior therapy together with a review of the methods, applications and research concerning behavior therapy.

Prerequisites

Admission to a psychology graduate program and permission of instructor

DEPARTMENT:

Psychology

PSY672 - Family Therapy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced clinical course with emphasis on the major family therapy theories, ethical issues, and consideration of cultural factors in working with families. Practice will be afforded for students in the application of assessment and therapeutic procedures with families.

Prerequisites

PSY 664, 670, previous or concurrent enrollment in PSY 667, and permission of instructor

DEPARTMENT:

Psychology

PSY673 - Acceptance and Mindfulness-Based Therapies
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced clinical course focused on acceptance and mindfulness-based theories, processes, procedures, and assessments. Students will gain conceptual knowledge of course concepts via readings and discussion with an equal emphasis placed on experimental contact with course concepts via clinical role-plays and demonstrations.

Prerequisites

PSY 664, 670, and permission of instructor

DEPARTMENT:

Psychology

PSY674 - Adult Trauma Therapies
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced clinical course with emphasis on trauma exposure, pathology, and psychological treatments for adult survivors of trauma. Students will learn and practice assessment and therapeutic procedures for adult trauma survivors.

Prerequisites

PSY 664, 670, and permission of instructor

DEPARTMENT:

Psychology

PSY682 - Child Clinical Psychology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced course with emphasis in developmental theories in relation to childhood psychopathology, therapeutic procedures with children, and specialized assessment techniques.

Prerequisites

PSY 664 and 670

DEPARTMENT:

Psychology

PSY683 - Tests and Measurements
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

CNS683 - Tests and Measurements

Description

The selection, administration and uses of psychological tests are discussed, with emphasis on application in educational settings. (Same as CNS 683.)

DEPARTMENT:

Psychology

PSY684 - Directed Individual Study
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Individual programs involving readings or conducting a research project in psychology. Note: Arrangements for faculty supervision are required prior to enrolling. May be repeated to a maximum of nine hours.

Prerequisites

Approval by a faculty sponsor and the departmental chair

DEPARTMENT:

Psychology

PSY686 - Group Psychotherapy Techniques
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Emphasis on theory and application of the therapeutic techniques with groups.

Prerequisites

Permission of instructor

DEPARTMENT:

Psychology

PSY688 - Multivariate Research Design and Statistics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A survey of multivariate statistical techniques, including multiple correlation and regression, canonical correlation, multivariate analysis of variance, discriminant function analysis, and factor analysis. Computer-based techniques of statistical analysis are emphasized.

Prerequisites

PSY 652

DEPARTMENT:

Psychology

PSY698 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

N/A

DEPARTMENT:

Psychology

PSY699 - Thesis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

N/A

DEPARTMENT:

Psychology

REA: Reading

REA096 - Fundamental Reading Skills
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Designed to prepare students for college level reading through practice in reading comprehension and vocabulary strategies. Emphasis is placed on applying analytical and critical reading skills to a variety of texts. The course is required for students with reading ACT scores of 16 or below. Advanced placement into a higher level reading course is possible through Murray State University's Center for Academic Success reading assessment exam or COMPASS. Credit earned in this course may not be counted toward graduation requirements. Graded pass/fail.

Prerequisites

Reading ACT of 16 or below or KYOTE Reading score of 19 or below

DEPARTMENT:

Early Childhood and Elementary Education

REA112 - Fundamental Writing Skills I
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A reading and writing skills course that emphasizes college reading, group discussion, and writing application. Does not count toward an English major, minor, or University Studies requirements.

Corequisites

ENG 105

DEPARTMENT:

Early Childhood and Elementary Education

REA404 - Teaching Elementary Language Arts
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of the content, methods, and materials for teaching the language arts at the elementary level. Emphasis is on integrating the language arts across the curriculum. Field experiences required.

Prerequisites

EDU 380 and admission to teacher education

Corequisites

REA 406

DEPARTMENT:

Early Childhood and Elementary Education

REA405 - Children's Literature for Early and Developing Readers

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A critical study of the quality literature in a variety of genres for early and developing readers in grades P-5. This course is designed to help further teachers' knowledge of the importance of books and reading in the life of the young child and to develop a knowledge and appreciation of the wide variety and scope of recreational and information materials available for primary through grade 5. Field experiences required.

Prerequisites

EDU 380 and admission to teacher education

DEPARTMENT:

Early Childhood and Elementary Education

REA406 - Literacy Development in Elementary School

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the teaching of reading and writing in the elementary school. Emphasizes the role of children's literature in reading and writing development. Field experiences required.

Prerequisites

EDU 380 and admission to teacher education

Corequisites

REA 404

DEPARTMENT:

Early Childhood and Elementary Education

REA407 - Middle School Reading
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides an overview of research-based literacy practices appropriate for teaching students in the middle grades. Emphasis is placed on teaching strategies designed to enhance comprehension and vocabulary development for students across the curriculum. Field experiences required.

Prerequisites

MID 342 and admission to Teacher Education

DEPARTMENT:

Early Childhood and Elementary Education

REA412 - Assessment and Strategies for Struggling Readers
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A practicum providing classroom experiences in applying current assessments, methods, and materials in teaching reading to individuals and/or groups who are struggling with reading. This course addresses the use of reading assessments to determine classroom intervention and instructional strategies. It provides foundational information about stages of reading acquisition, factors that impact reading success or failure, and the nature of reading difficulties. Instructional strategies focus on building vocabulary skills, phonics, phonemic awareness, fluency, using teacher modeling, and building comprehension monitoring skills.

Prerequisites

REA 406 and admission to Teacher Education

DEPARTMENT:

Early Childhood and Elementary Education

REA427 - Teaching Content Area Literacy in the Secondary School
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Designed to help the secondary school teacher teach literacy in the content areas. Topics covered are literacy process, word recognition skills, comprehension, diagnostic prescriptive instruction and reading in the content areas.

DEPARTMENT:

Early Childhood and Elementary Education

REA612 - Foundations of Literacy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An advanced course in reading and writing instruction designed to enable classroom teachers to model and implement a variety of research-based instructional strategies and activities in an authentic instructional context.

DEPARTMENT:

Early Childhood and Elementary Education

REA618 - Content Area Literacy K-12
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course builds upon theoretical perspectives and strategies for developing the literacy abilities of students in grades grades K-12 in the content areas. Attention is given to ways of making the most effective use of textual materials across the curriculum. A component of the course includes projects and/or activities which relate to an academic area of study or instructional responsibility.

DEPARTMENT:

Early Childhood and Elementary Education

REA624 - Kentucky Reading Project
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This yearlong professional development initiative increases students' ability to design standards-based literacy activities, implement a balanced literacy approach, and encourage family involvement in literacy. Students participate in a two-week summer institute and four follow-up sessions during the academic year. They present their literacy action projects at a statewide share fair in the spring.

DEPARTMENT:

Early Childhood and Elementary Education

REA626 - Word Study: Phonics, Spelling, and Vocabulary

CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to help teachers and reading specialists assess the word knowledge of students and to make informed decisions regarding instruction based on that assessment. This course will provide hands-on opportunities to make conceptually based word study lessons to meet developmental needs in phonics, spelling, and vocabulary.

Prerequisites

REA 612

DEPARTMENT:

Early Childhood and Elementary Education

REA627 - Teaching Reading in the Secondary School

CREDITS:

3

COURSE LEVEL:

Graduate

Description

Designed to help the secondary school teacher teach reading in the content areas. Topics covered are reading process, word recognition skills, comprehension, diagnostic prescriptive instruction and reading in the content areas.

DEPARTMENT:

Early Childhood and Elementary Education

REA628 - Literacy Assessment
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Designed to enable classroom teachers and reading specialists to implement a variety of technology-based assessment tools and strategies, to facilitate learning, provide appropriate instruction, make language learners aware of their own strength and needs as readers, writers, listeners, and speakers, and enhance teacher and curriculum development. Assessment strategies include: anecdotal records, checklists, interviews, conferences, observations, performance events and exhibitions, open-ended questions, self-assessment/reflection, running records, miscue analysis, and oral language assessment. Emphasis is on ways to work with teachers in classrooms and professional development to bring about educational reform and improvements in teaching and literacy instruction.

Prerequisites

REA 612

DEPARTMENT:

Early Childhood and Elementary Education

REA638 - Assessment and Instruction of Children and Reading Difficulties
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of the causes of reading difficulties and procedures used to support P-12 students with reading difficulties. Approaches reading difficulty from a holistic view. Attention is given to technology-based assessment strategies, curriculum materials, and remedial procedures for correction.

Prerequisites

REA 612

DEPARTMENT:

Early Childhood and Elementary Education

REA639 - Supervised Practicum in Reading
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Designed for teachers, clinicians, literacy coaches, and reading specialists. Emphasis will be placed on designing and supervising a reading program in a public or private setting. Repeatable for up to six hours of credit.

Prerequisites

REA 612, 628, and 638

DEPARTMENT:

Early Childhood and Elementary Education

REA648 - Research in Reading
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Independent study, under the guidance of a supervising faculty member, which addresses an issue, problem or question pertinent to reading/literacy development. The issue, problem or question is to be selected by the student and approved by the instructor prior to the study.

Prerequisites

REA 612 and 628 or REA 638

DEPARTMENT:

Early Childhood and Elementary Education

REC: Recreation

REC108 - Golf
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

.

DEPARTMENT:

Community Leadership and Human Services

REC112 - Open Water Scuba Diving I
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

.

DEPARTMENT:

Community Leadership and Human Services

REC113 - Yoga for Wellness
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Introductory level class teaching the basics of Hatha Yoga and how incorporating the practice of yoga with other healthy lifestyle choices can enhance wellness. Class will meet twice weekly for one hour. Graded pass/fail.

DEPARTMENT:

Community Leadership and Human Services

REC118 - Tai Chi Chuan
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

.

DEPARTMENT:

Community Leadership and Human Services

RES: Real Estate

RES132 - Real Estate Principles I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the basic essentials involving real estate transaction, terms, law, financing, and the general operation of the numerous specialties of the real estate business. License law requirements and professional ethics are considered.

DEPARTMENT:

Management, Marketing and Business Administration

RES134 - Real Estate Marketing I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to real estate market analysis and marketing techniques. Emphasizes the study of basic essentials of listing, prospecting, qualifying clients, showing of real estate, advertising and the organization of time.

DEPARTMENT:

Management, Marketing and Business Administration

RES136 - Greal Estate Appraising
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Analyzes the basic principles of property use and value, and the locational factors affecting valuation. Treats the theory and practice of real estate appraisal, introduces the cost, market and income approaches, the appraisal process and the techniques of area and site analysis. Report writing and the appraisal report are covered as is the scope of real estate appraising and the ethics of the professional appraiser.

Prerequisites

RES 132

DEPARTMENT:

Management, Marketing and Business Administration

RES226 - Real Estate Finance
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The study of the money and capital markets and institutions as they influence real estate finance, mortgage banking, government activity in the financing of real estate, interest rate changes and their influence, and the major real estate financing instruments.

Prerequisites

RES 132

DEPARTMENT:

Management, Marketing and Business Administration

RES242 - Real Estate Law
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

LST242 - Real Estate Law

Description

Comprehensive survey of the law of realty as it effects the real estate professional. A study which involves historical and recent developments in legislation and court precedent affecting real estate, with emphases in license law, real estate commission rules and regulations and professional ethics. (Same as LST 242.)

Prerequisites

REA 132

DEPARTMENT:

Management, Marketing and Business Administration

RES246 - Advanced Appraising
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of RES 136, Real Estate Appraising.

Prerequisites

RES 136

DEPARTMENT:

Management, Marketing and Business Administration

RES338 - Real Estate Brokerage Management
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A compilation of the planning, procedures and techniques needed to establish a successful real estate brokerage management system. This course is intended to meet brokers' licensing requirements pursuant to the Kentucky Real Estate Commission and Kentucky Administrative Regulations 201 KAR 11:450.

DEPARTMENT:

Management, Marketing and Business Administration

RES342 - Real Estate Law II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is a comprehensive survey of the law of realty as it affects the real estate professional. A study which involves historical and recent developments in legislation and court precedent affecting real estate, which emphasis in license law, real estate commission rules and regulations and professional ethics.

Prerequisites

RES 242

DEPARTMENT:

Management, Marketing and Business Administration

RGS: Religious Studies

RGS100 - Comparative Mythology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introductory survey of approaches to the study of mythology, of common themes in mythology, and the analysis and exegesis of mythological texts from multiple regions, societies, religious groups, and time periods. Possible topics include the place of mythology in religion and the interaction between mythology and literature, art, and culture.

DEPARTMENT:

History

RGS200 - Introduction to Religious Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the major issues, topics, and concepts used in the study of religion with attention to the way scholars have analyzed and explain religion. This course also looks at how issues, topics, and concepts have developed in some of the major world religions.

DEPARTMENT:

History

RGS221 - Philosophy of Religion
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

PHI221 - Philosophy of Religion

Description

A study of basic philosophical issues in the consideration of religion, such as the basis of religious belief, the nature of religion, the cogency of talk about God, the meaning of evil. (Same as PHI 221.)

DEPARTMENT:

History

RGS251 - The Bible as Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ENG251 - The Bible as Literature

Description

A study of the Bible as a literary source. (Same as ENG 251.)

Prerequisites

ENG 105, 150, or the equivalent

DEPARTMENT:

History

RGS252 - Literature and Religion
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ENG252 - Literature and Religion

Description

Course that explores the intersections between literature and religion within larger cultural contexts. Depending on individual research needs and the interest of the group, mandatory field experiences may be scheduled. (Same as ENG 252.)

Prerequisites

CIV 201, 202, HUM 211, and 212

DEPARTMENT:

History

RGS300 - Foundations of Judaism and Christianity
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to the development of distinctive traits and traditions of Judaism and Christianity; cultures, beliefs, practices, institutions, and experience from biblical times to the present.

DEPARTMENT:

History

RGS301 - Western Religious Thought in the Modern World
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Response of Western religious thinkers to major challenges to traditional religious faith posed by the emergence of modern intellectual, social, political norms. This course may be repeated, subject to approval of religious studies coordinator.

DEPARTMENT:

History

RGS302 - Medieval Europe
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS302 - Medieval Europe

Description

A survey of the major events in Western history from the Fall of Rome to the Renaissance, with special emphasis on those political, economic, social and cultural-intellectual forces and institutions that helped form the modern world outlook. (Same as HIS 302.)

DEPARTMENT:

History

RGS306 - Europe in Renaissance and Reformation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS306 - Europe in Renaissance and Reformation

Description

A survey if the development of Western Europe, emphasizing the Protestant and Catholic Reformations, the Crisis of the seventeenth century, and France under Louis XIII and XIV. (Same as HIS 306.)

DEPARTMENT:

History

RGS309 - Survey of World Religions
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS309 - Survey of World Religions

Description

A study of the historical development of Christianity, Islam, Buddhism and other world religions, with emphasis placed upon their similarities and differences. (Same as HIS 309.)

DEPARTMENT:

History

RGS322 - History of Religion in the United States
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS322 - History of Religion in the United States

Description

The historical development of organized religion in America, with emphasis placed upon the relationships between religion and other features of American society. (Same as HIS 322.)

DEPARTMENT:

History

RGS350 - Special Topics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of religion by examining a subject chosen for its particular topical or thematic interest. Specific topics will vary according to student and faculty interests. May be repeated for a maximum of nine credit hours.

DEPARTMENT:

History

RGS354 - Ancient Near East
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS354 - Ancient Near East

Description

A survey of Near Eastern history from prehistoric times to the end of the Persian Empire. Included are the emergence and development of civilizations in Mesopotamia, Asia Minor, Syria, and the Levant; the origins and influence of Near Eastern religions including polytheistic cults, Judaism, and Zoroastrianism; and the development of societies from city-states to large territorial empires. Special attention will be given to the art, literature, philosophy, and material culture of the civilizations within the region. (Same as HIS 354.)

DEPARTMENT:

History

RGS355 - A Global History of Islam to 1800
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS355 - A Global History of Islam to 1800

Description

Course explores the emergence and expansion of Islam from the seventh to the eighteenth century. Topics will include the rise of Islam within its Middle Eastern context, the development of the caliphate, the question of succession, Middle Eastern experience of the Crusades, and the diverse expressions of Islam as it expanded throughout Asia, Africa, Europe, and the Americas. Islam will be studied as a global religion, examining the major movements and trends within Islamic theology, sciences, philosophy, art, and architecture. (Same as HIS 355).

DEPARTMENT:

History

RGS356 - The Art of Non-Western Cultures
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ANT356 - The Art of Non-Western Cultures
GDS356 - The Art of Non-Western Cultures

Description

Study of the arts of Asia, Oceania, Africa, and the Pre-Western Americas. (Same as ANT, GDS 356.)

DEPARTMENT:

History

RGS362 - Ancient Egypt
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS362 - Ancient Egypt

Description

A survey of Egyptian history from prehistoric times to the Late Period. Included are developments during the pre-and proto-dynastic periods; the formation and general history of the Old, Middle, and New Kingdoms; and the collapse of Egyptian society leading to the Persian conquest. Topics covered will include Egyptian religious beliefs, organization, daily life, and contributions to world culture. (Same and HIS 362.)

DEPARTMENT:

History

RGS363 - Ancient Greece
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS363 - Ancient Greece

Description

A survey of Greek history from prehistoric times to Alexander the Great. Included are developments during the Bronze Age Minoan and Cycladic cultures, Mycenaean civilizations, the origin and formation of the Greek city-state, and the history of individual city-states such as Athens and Sparta. Special attention will be given to Greek art, mythology, religion, literature, as well as the impact of Greek culture on later civilizations. (Same as HIS 363.)

DEPARTMENT:

History

RGS364 - Ancient Rome
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS364 - Ancient Rome

Description

A survey of Roman history from prehistoric times to the Third Century Crisis. Included are the origins of the city of Rome; the Roman monarchy; the origin and formation of the Roman Republic; Republican society and philosophy; the nature and significance of Rome's religious worldview, the transition from Republic to Empire; and the impact of Rome on the territories and peoples it conquered. Special attention will be given to Roman artistic, literary, and philosophical influences, the centrality of Roman religious practices and observances to their culture, and the impact of Roman culture on later civilizations. (Same as HIS 364.)

DEPARTMENT:

History

RGS395 - Archaeology of Religion
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ARC395 - Archaeology of Religion

Description

A survey of the archaeological evidence for religions throughout the world, from the earliest expressions of spirituality to the modern world religions. Emphasis is placed on the archaeological evidence for recognizing religious expressions in general, and for the emergence of modern world religions. Archaeological interpretations of New World, African, and Australian religions will be considered in comparative perspective. Fieldwork to a house of worship or cemetery will be required. (Same as ARC 395.)

Prerequisites

ARC 150

DEPARTMENT:

History

RGS400 - Seminar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Selected topics. May be repeated for a maximum of six credit hours.

Prerequisites

Advanced undergraduate standing

DEPARTMENT:

History

RGS410 - Directed Study
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Course involves readings or other study in advanced topics, deconstruction of sacred texts, analyses of historical/theological issues, and comparisons and contrasts of the world's religions. May be repeated for a maximum of six credit hours.

Prerequisites

Permission of instructor

DEPARTMENT:

History

RGS415 - Science and Religion
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

Description

A survey of the relationship between science and religion in Western culture from ancient Greek times to the 20th century, with particular emphasis on how science has been influenced by both religious faith and religious institutions.

DEPARTMENT:

History

RGS417 - Medieval Art
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ART316 - Medieval Art

Description

Topics in the history of art from the Early Christian through the Gothic period. (Same as ART 316.)

Prerequisites

ART 211

DEPARTMENT:

History

RGS420 - Sociology of Religion
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

SOC420 - Sociology of Religion

Description

A study of the interrelationships of society, culture and the institution of religion. (Same as SOC 420.)

Prerequisites

SOC 133

DEPARTMENT:

History

RGS425 - Arts of Africa and Asia
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ART425 - Arts of Africa and Asia

Description

Study of the arts of Sub-Saharan Africa, India, Southeast Asia, China, Korea, and Japan, informed by the religious practices, belief systems, and cultural practices of these various civilizations. (Same as ART 425.)

Prerequisites

ART 121, 211, 212, and 213 or HON 161

DEPARTMENT:

History

RGS449 - Islam in the Modern and Post-Modern World
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS449 - Islam in the Modern and Post-Modern World

Description

The course will examine major trends and movements within Islam from the eighteenth century until today, including Salafism, Wahhabism, post-colonialism, nationalism, feminism, terrorism, and jihadism. In addition to considering developments in the Middle East and North Africa, this course will explore expressions of Islam around the globe, particularly in South Asia, Africa, Europe, and North America. (Same as HIS 449.)

DEPARTMENT:

History

RGS459 - Genocide in World History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS459 - Genocide in World History

Description

This course is a survey of the causes, course, and consequences of genocide throughout world history from the ancient world to the present. It will explore case studies from different areas of the world across time. Special attention will also be given to the issues of religion and religious identity, memory, reconciliation, and justice. (Same as HIS 459.)

DEPARTMENT:

History

RGS461 - Early Christianity
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

HIS461 - Early Christianity

Description

A seminar examining the religious, philosophical, and historical background to the earliest developments of Christianity during its first few generations of existence to the late second century AD. Topics include an analysis of Second Temple Judaism, the origins and composition of the canonical and apocryphal Gospels, an analysis of significant historical events affecting the development of Christianity, and an overview of literature from authors in the study of history, religion, and theology. (Same as HIS 461.)

Prerequisites

While not required, experience in HIS/RGS 354, 363, or 364 is recommended

DEPARTMENT:

History

RTP: Respiratory Therapy Program

RTP300 - Pathophysiology for Respiratory Therapists
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed for practicing respiratory therapists to expand upon their existing knowledge of pathophysiology. An emphasis will be placed on common acute and chronic cardiopulmonary diseases, as well as comorbidities of these diseases.

Prerequisites

Admission into the Respiratory Therapy program

DEPARTMENT:

Respiratory Therapy

RTP301 - Interpersonal and Interprofessional Communication for Respiratory Therapists
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will focus on the interpersonal and interprofessional communication skills of the respiratory therapist. Emphasis will be placed on interaction with the varied populations that are found in health care. Coursework will include both written and oral communication including therapeutic communication and conflict management.

Prerequisites

Admission into the Respiratory Therapy program

DEPARTMENT:

Respiratory Therapy

RTP302 - Introduction to Research and Evidence Based Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This is an introductory course that will focus on the significance of research and its application to evidence-based practice. Students will develop skills in analyzing and critiquing research for clinical application.

Prerequisites

RTP 300 and 301

DEPARTMENT:

Respiratory Therapy

RTP303 - Chronic Disease Management across the Lifespan
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course offers an introduction to chronic disease management and self-management of chronic cardiopulmonary disease using evidence-based practice. This course will include the pharmacology of medications related to chronic cardiopulmonary disease and associated comorbidities. The student will gain new knowledge in the use of cardiopulmonary diagnostics and monitoring. In addition, the course will introduce the student to writing measurable goals and evaluating outcomes associated with disease management.

Prerequisites

Admission into the respiratory therapy program; RTP 300 and 301

DEPARTMENT:

Respiratory Therapy

RTP400 - Evidence Based Practice in Respiratory Care

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will expand on the learner's foundational knowledge of basic research and evidence-based practice. The course will examine and analyze quantitative and qualitative methods. Students will develop a scholarly work including cohesive structure, appropriate citations and referencing. Critical analysis of research studies is emphasized.

Prerequisites

RTP 302 and 303

DEPARTMENT:

Respiratory Therapy

RTP401 - Advanced Concepts in Respiratory Care

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will explore the evolving role of a respiratory therapist as well as changes in therapeutic modalities in respiratory care. An emphasis will be placed on the role of the respiratory therapist in chronic disease management and advances in respiratory therapy for a variety of patients.

Prerequisites

Admission into the respiratory therapy program; RTP 302 and 303

DEPARTMENT:

Respiratory Therapy

RTP402 - Leadership, Management, and Education for Health Professions
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

This course explores leadership and management at both the individual and organizational levels. The course will examine the various methods of leadership and management and their impact on the organization. Students will be asked to perform a critical analysis to determine their leadership styles. Students will gain knowledge of various leadership types and be asked to perform common skills of a leader within an organization budget management and data management. Students will explore how to facilitate professional development for diverse populations within an organization.

Prerequisites

Admission into the respiratory therapy program; RTP 400 and 401

DEPARTMENT:

Respiratory Therapy

RTP403 - Respiratory Care Capstone
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This capstone course provides an experience for the student to demonstrate mastery of respiratory care practice and document the synthesis of prior course work. Upon completion of this course, baccalaureate prepared registered respiratory therapists will have the foundation for scholarly activity.

Prerequisites

RTP 302 and 400

DEPARTMENT:

Respiratory Therapy

SCI: Science

SCI101 - Introduction to Science I, Physical System
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An inquiry-based and multidisciplinary course that introduces concepts in chemistry, geosciences, and physics. This course concentrates on physical systems and reflects the National Science Teacher Education Standards.

DEPARTMENT:

Jesse D. Jones College of Science, Engineering and Technology

SCI102 - Introduction to Science II, Biological System
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

An inquiry-based and multidisciplinary course that introduces concepts in biology, chemistry, and environmental science. This course concentrates on ecological systems and reflects the National Science Teacher Education Standards.

DEPARTMENT:

Jesse D. Jones College of Science, Engineering and Technology

SCI301 - Understanding Scientific Communication
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

EES301 - Understanding Scientific Communication

Description

Course concentrates on the methods for preparation and presentation of scientific papers, posters, and oral communication. Students will utilize a data set to produce a publication-quality manuscript, a poster suitable for a scientific meeting; and a minute presentation such as would be given at a scientific meeting. Topics covered include abstracts, nature of scientific writing, structure and organization of scientific publication, use of literature, graphics and graphic design, and methods of polishing the oral and poster presentations. (Same as EES 301.)

DEPARTMENT:

Jesse D. Jones College of Science, Engineering and Technology

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SEC: Secondary Education

SEC420 - Practicum in Secondary Schools
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A concentrated practicum experience for upper division students, which will include planned and supervised mini-teaching experiences with middle and/or senior high students as well as laboratory experiences in the development of teaching strategies and curriculum materials. (54 hours of field placement in a public school classroom.) This course encompasses practicum experience for Art P-12; Biology 8-12; Career and Technical Education 5-12 (Business/Marketing, Family and Consumer Sciences, and Engineering Technology); Chemistry 8-12; Economics 8-12; English 8-12 (TESOL P-12); French P-12; Geoscience/Earth Science 8-12; German P-12; Health and Physical Education P-12; History 8-12; Japanese P-12; Mathematics 8-12 (vocal/instrumental); Music P-12; Physics 8-12; and Political Science 8-12. Credit cannot be earned for both SEC 420 and SEC 620. Must be taken two semesters before student teaching.

Prerequisites

Admission to Teacher Education

Corequisites

ART 342, EDU 480, ENG 445, GLT 514, HIS 361, MUS 480, or TSL 480

DEPARTMENT:

Adolescent, Career and Special Education

SEC421 - Student Teaching in the Secondary School
CREDITS:

7 - 14

COURSE LEVEL:

Undergraduate

Description

Student teaching in the secondary school should allow the individual to participate in the work and duties of the school that are generally expected of the classroom teacher. Student teachers will be supervised by a public school teacher as well as a university coordinator. (Will involve 7 or 14 weeks of placement in a public school classroom.) Graded pass/fail.

Prerequisites

Admission to Teacher Education and student teaching

DEPARTMENT:

Adolescent, Career and Special Education

SEC422 - Extended Practicum
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Course will provide opportunities for supervised direct involvement with classrooms in the public school setting. Students will implement strategies and procedures used in the education of students. 116 hours of field experience required. Field hours may include experiences at the elementary, middle, or secondary school setting. This course encompasses practicum experience for Art P-12; Biology 8-12; Career and Technical Education 5-12 (Business/Marketing, Family and Consumer Sciences, and Engineering Technology); Chemistry 8-12; Economics 8-12; English 8-12 (TESOL P-12); French P-12; Geoscience/Earth Science 8-12; German P-12; Health and Physical Education P-12; History 8-12; Japanese P-12; Mathematics 8-12 (vocal/instrumental); Music P-12; Physics 8-12; and Political Science 8-12.

Prerequisites

SEC 420 and admission to Teacher Education

Corequisites

EDU 485

DEPARTMENT:

Adolescent, Career and Special Education

SEC620 - Practicum in Secondary Schools
CREDITS:

2

COURSE LEVEL:

Graduate

Description

A concentrated practicum experience for students enrolled in the Career and Technical Education master's degree leading toward initial certification which will include planned and supervised mini-teaching experiences with middle and/or senior high students as well as laboratory experiences in the development of teaching strategies and curriculum materials. (20 hours of field placement in a public school classroom included.) Credit cannot be earned for both SEC 420 and SEC 620.

Prerequisites

CTE 503

DEPARTMENT:

Adolescent, Career and Special Education

SED: Special Education

SED300 - Educating Students with Disabilities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course introduces students to state and federal laws impacting the education of students with disabilities, prepares them to work collaboratively with other professionals and parents, and teaches them a variety of effective instructional techniques/strategies. It also increases their awareness of the special organizations, associations and other resources that will assist them in meeting their professional needs, the needs of families, and the needs of students with disabilities.

DEPARTMENT:

Adolescent, Career and Special Education

SED310 - Characteristics of and Strategies for Teaching Students with Mild Disabilities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course includes an overview of the educational and social characteristics of children and youth with mild disabilities. It focuses on the development of specific competencies in instruction and curriculum requisite for the development of a personalized educational program for children and youth with mild disabilities. Context includes behavioral objectives, task analysis, precision teaching and use of technology relevant to curriculum and instruction. Field experience required.

DEPARTMENT:

Adolescent, Career and Special Education

SED331 - Nature and Needs of Individuals with Moderate to Severe Disabilities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of classification, identification, diagnostic techniques and intervention procedures used in the education and training of individuals with moderate to severe disabilities. Field experience required.

DEPARTMENT:

Adolescent, Career and Special Education

SED350 - Roles and Procedures in Special Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Includes an overview of the legal requirements in the process of determining eligibility and delivery of special education services including the individual education plan (IEP) component of federal and state laws. Participants will gain skill in writing individual education plans for students with mild disabilities and information regarding service delivery models. Field experiences required.

DEPARTMENT:

Adolescent, Career and Special Education

SED355 - Special Education Transition
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The focus of this course is to support successful transition from school to community life. This includes transitions from different grade levels as well as from public schools to private life. Field experience required.

DEPARTMENT:

Adolescent, Career and Special Education

SED404 - Special Education Procedures and Strategies in IECE
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will develop skills in writing Individual Education Programs and Individualized Family Service Plans. Students will be introduced to relevant special education legislation, laws and policies. Students will develop skills in matching intervention strategies to the strengths and needs of young children with disabilities and their families. Students will acquire skills in the development and implementation of the Individual Education Program and the Individualized Family Service Plan in a variety of settings. Field experiences required.

Prerequisites

SED 526 and admission to Teacher Education

DEPARTMENT:

Adolescent, Career and Special Education

SED406 - Procedures for Classroom Management and Discipline
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The content of this course provides educators with the information and skills needed to increase their knowledge of advanced methods, and techniques of classroom management procedures. Field hours are required.

DEPARTMENT:

Adolescent, Career and Special Education

SED407 - Transdisciplinary Assessment of Individuals with Moderate/Severe Disabilities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course involves procedures for assessment of the behavioral and educational performance of individuals with moderate to severe disabilities, task analysis, sequencing behavioral skills and designing individual instructional programs. Students will be provided experience in conducting assessments, developing individual education plans and use of program evaluation techniques related to individuals with moderate to severe disabilities. Field Experiences Required.

Prerequisites

Admission to Teacher Education

DEPARTMENT:

Adolescent, Career and Special Education

SED408 - Functional Behavior Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The content of this course provides the student experience in understanding why individuals behave the way they do and how behavior may be taught, changed, and modified. Topics will include behavior management, training strategies, implementation, data-based programming, and field-based teacher research methods. Field hours are required.

DEPARTMENT:

Adolescent, Career and Special Education

SED409 - Instructional Procedures-Students with MSD
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course involves preparation in the use of specific methods needed to teach children and youth with moderate to severe disabilities. Adaptations, modifications, and technology used in educational programming as well as communication systems and self-care techniques will be included. Field experiences required.

Prerequisites

Admission to Teacher Education

DEPARTMENT:

Adolescent, Career and Special Education

SED414 - Assistive Technology in Special Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course includes instruction in technology that is requisite for the Individual Education Program (IEP) for students with disabilities. This includes, but is not limited to, assistive technology, technology as a means to meet the needs of different learner types, and students as users of technology. Field experiences required.

Prerequisites

Admission to Teacher Education

DEPARTMENT:

Adolescent, Career and Special Education

SED416 - Collaboration Skills for Educators
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed to develop knowledge, skills and abilities related to collaboration and teamwork. Provides educators with the information and skills necessary to collaborate and consult with other professionals, families, and support agencies regarding the design and implementation of educational programs for students with and without disabilities. Field experiences required.

Prerequisites

Admission to Teacher Education

DEPARTMENT:

Adolescent, Career and Special Education

SED421 - Student Teaching in Special Education
CREDITS:

7

COURSE LEVEL:

Undergraduate

Description

Student teaching in the special education classroom should allow the individual to participate in the work and duties of the school that are generally expected of the classroom teacher. Student teachers will be supervised by a public school teacher as well as a university coordinator. This will involve seven weeks of placement in a public school classroom. Graded pass/fail.

Prerequisites

Admission to Teacher Education and student teaching

DEPARTMENT:

Adolescent, Career and Special Education

SED425 - Content Area Literacy for Students with Disabilities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to emphasize the detection and remediation of reading difficulties that are typical for students with all disabilities. Students will be shown how to recognize and remediate reading difficulties. Field experiences required.

Prerequisites

Admission to Teacher Education

DEPARTMENT:

Adolescent, Career and Special Education

SED454 - Classroom Management of Individuals with Mod/Sev Disabilities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of the techniques and methods necessary for the organization and operation of educational programs for individuals with moderate to severe disabilities. Included are specialized teaching techniques such as precision teaching and behavior management applied to the learning environment as well as scheduling approaches, curriculum models and commercially available materials. Field experiences required.

Prerequisites

Admission to Teacher Education

DEPARTMENT:

Adolescent, Career and Special Education

SED455 - Practicum in Learning and Behavior Disorders
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will provide opportunities for supervised direct involvement with individual children. Students will implement strategies and procedures used in the education of students with mild disabilities. Field experiences required.

Prerequisites

SED 310

DEPARTMENT:

Adolescent, Career and Special Education

SED456 - Practicum in Moderate to Severe Disabilities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will provide opportunities for supervised direct involvement with individual children. Students will implement strategies and procedures used in the education of students with disabilities.

Prerequisites

Admission to Teacher Education

DEPARTMENT:

Adolescent, Career and Special Education

SED526 - Education of Young Children with Disabilities
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides information related to the study of young children with disabilities or who are at risk for disability in terms of their personal, family, and educational needs. Field experiences required.

DEPARTMENT:

Adolescent, Career and Special Education

SED537 - Diagnostic Methods
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Instruction which leads to demonstrated competence with instruments utilized in assessment and programming. Field hours are required.

Prerequisites

Admission to Teacher Education

DEPARTMENT:

Adolescent, Career and Special Education

SED602 - Family-Professional Partnerships
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The course content will focus on the family as an aid in the program or education of their child. Family characteristics will be investigated and related to the implications for meaningful inclusion of the family in the education of a child with a disability. Differential programs for families will be overviewed. Field hours are required.

DEPARTMENT:

Adolescent, Career and Special Education

SED603 - Special Education Law and Procedures
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is designed to familiarize graduate students with the laws and procedures that are required in the process of determining eligibility and delivery of special education services. Students will learn the roles of participants in 'Admissions and Release Committee' (ARC), the procedural safeguards, and the order of events in the special education process as determined by federal and state law and procedures. Appropriate for all certified teachers, school psychologists, and administrators serving students with disabilities.

DEPARTMENT:

Adolescent, Career and Special Education

SED604 - Special Education Procedures and Strategies for IECE
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Students will develop skills in writing Individual Education Programs and Individualized Family Service Plans. Students will be introduced to relevant special education legislation, laws and policies. Students will develop skills in matching intervention strategies to the strengths and needs of young children with disabilities and their families. Students will acquire skills in the development and implementation of the Individual Education Program and the Individualized Family Service Plan in a variety of settings. Field experiences required.

DEPARTMENT:

Adolescent, Career and Special Education

SED605 - Characteristics and Needs of Children and Youth with Mild Disabilities
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course surveys the etiologies, characteristics, and learning styles of children and youth with mild disabilities. State and federal definitions for each category of disabilities under the learning/behavior disability certification will be examined. This course should proceed SED 625.

DEPARTMENT:

Adolescent, Career and Special Education

SED606 - Procedures for Classroom Management and Discipline
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The content of this course provides educators with the information and skills needed to increase their knowledge of advanced methods, and techniques of classroom management procedures. Field hours are required.

DEPARTMENT:

Adolescent, Career and Special Education

SED607 - Transdisciplinary Assessment of Individuals with Moderate/Severe Disabilities
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course involves procedures for assessment of the behavioral and educational performance of individuals with moderate to severe disabilities, task analysis, sequencing behavioral skills, and designing individual instructional programs. Students will be provided experience in conducting assessments, developing individual education plans and use of program evaluation techniques related to individuals with moderate to severe disabilities.

DEPARTMENT:

Adolescent, Career and Special Education

SED608 - Functional Behavior Analysis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The content of this course provides the student experience in understanding why individuals behave the way they do and how behavior may be taught, changed, and modified. Topics will include behavior management, training strategies, implementation, data-based programming, and field-based teacher research methods. Field hours are required.

DEPARTMENT:

Adolescent, Career and Special Education

SED609 - Instructional Procedures-Students with MSD
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course involves preparation in the use of special methods needed to teach children and youth with physical and sensory disabilities. Adaptations, prosthetic devices, and technology used in educational programming as well as communication systems, and self-care techniques will be included.

Prerequisites

Admission to Teacher Education

DEPARTMENT:

Adolescent, Career and Special Education

SED610 - Single-Subject Research Design
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course will provide students with the knowledge to plan, implement, and analyze single-subject or small-n case design research in applied settings. Advanced procedures in single-subject research methodology, including design strategies and experimental control, are emphasized.

DEPARTMENT:

Adolescent, Career and Special Education

SED613 - Advanced Behavior Support
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to provide an in-depth study of the field of educating children and youth with emotional disturbances and behavioral disorders. The course will include extensive examinations of disability etiologies, theoretical educational approaches, screening and assessment instruments and techniques, educational placement considerations, program development considerations, and ongoing evaluation based on student performance.

DEPARTMENT:

Adolescent, Career and Special Education

SED614 - Advanced Instructional Technology
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course includes instruction in technology that is requisite for the Individual Education Program (IEP) for student with mild disabilities. This includes, but is not limited to, assistive technology, technology as a means to meet the needs of different learner types, and students as users of technology.

DEPARTMENT:

Adolescent, Career and Special Education

SED615 - Collaboration Skills for Educators
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Designed to develop knowledge, skills and abilities relative to collaboration and teamwork. Provides educators with information and skills necessary to collaborate and consult with other professionals, families and support agencies regarding the design and implementation of educational programs for students with and without disabilities. Field hours are required.

Prerequisites

SED 603

DEPARTMENT:

Adolescent, Career and Special Education

SED620 - Ethical and Professional Practice in Behavior Analysis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is designed to prepare students for the ethical and professional practice of applied behavior analysis. Specific topics will include core ethical issues in psychology and education, the core ethical competencies of contemporary behavior analysis, the enforcement of ethical conduct, and legal issues such as client rights, confidentiality, and record keeping.

DEPARTMENT:

Adolescent, Career and Special Education

SED625 - Instructional Techniques for Children and Youth with Mild Disabilities
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course content focuses on instructional techniques requisite for the development of an individualized educational program (IEP) for children and youth with mild disabilities. Specific methods, media and materials in the areas of reading, writing, math and problem solving will be examined. Students will learn to develop a sequence of instruction from the student's present level of performance to annual goals matching instruction to the student's learning style.

Prerequisites

SED 603 and 605

DEPARTMENT:

Adolescent, Career and Special Education

SED626 - Education of Young Children with Disabilities
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study of young children with disabilities or who are at risk for disability in terms of their personal, family and educational needs. Field experiences required.

DEPARTMENT:

Adolescent, Career and Special Education

SED630 - Advanced Topics in Behavior Analysis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to cover advanced topics for behavior analytic practice with exceptional cases in applied settings. Special attention will be provided to the assessment and treatment of intensive behavior excesses and deficits, advanced teaching procedures, the analysis of verbal behavior, and developing defensible behavior plans.

Prerequisites

CNS 615

DEPARTMENT:

Adolescent, Career and Special Education

SED631 - Nature and Needs of Individuals with Moderate to Severe Disabilities
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Survey of classification, identification, diagnostic techniques and intervention procedures used in the education and training of individuals with moderate to severe disabilities.

DEPARTMENT:

Adolescent, Career and Special Education

SED636 - Issues and Trends in Special Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Individual programs of study on current issues and trends in special education.

DEPARTMENT:

Adolescent, Career and Special Education

SED637 - Advanced Diagnostic Procedures
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Instruction which leads to demonstrated competence with instruments utilized in assessment and programming. Field hours are required.

DEPARTMENT:

Adolescent, Career and Special Education

SED640 - Practicum
CREDITS:

3 - 6

COURSE LEVEL:

Graduate

Description

Makes provisions for students to participate in all activities and duties generally expected of an interdisciplinary early childhood education teacher or an educator working with students with disabilities. Supervision by the faculty member teaching the course will be provided. The university supervisor will observe students to evaluate their performance based on the appropriate program standards. A graduate portfolio is submitted a the end of practicum. Graded pass/fail.

DEPARTMENT:

Adolescent, Career and Special Education

SED645 - Strategies for Students with Autism
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study of the techniques and methods necessary for the organization and operation of educational programs for individuals with autism spectrum disorders. Emphasis will be placed on research-based strategies to enhance communication, learning, and methods for teaching more conventional behaviors.

DEPARTMENT:

Adolescent, Career and Special Education

SED650 - Administration of Special Education Programs
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course provides an overview of the history and current status of the organization, administration and supervision of special education programs. Emphasis is on the tasks of organization, administration and supervision, focusing on program planning and development, fiscal management, cooperating agencies, specialized facilities and equipment, legislative provisions, problems of supervision, and instruction in the development, adaptation and evaluation of instruction, curricula, methods, materials and resources.

DEPARTMENT:

Adolescent, Career and Special Education

SED651 - Social Competence for Safe Environments
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course is designed to facilitate an understanding of the priority role that social competence should take in the school and post-school success of children and youth with severe behavior problems. Theories underlying social skills acquisition and practical approaches for implementation will be emphasized. Training strategies discussed will be applicable to a variety of educational environments, including residential, day-treatment, alternative education programs, public, and private schools. Field hours are required.

DEPARTMENT:

Adolescent, Career and Special Education

SED652 - Assessment and Program Planning for Infants, Toddlers and Preschoolers and Families
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Students will develop skills in formal and informal assessment practices for young children birth through preschool. They will develop knowledge and skills in developmental screening, curriculum-based assessment, program evaluation, and evaluation for determining eligibility for special education services. Field experiences required.

DEPARTMENT:

Adolescent, Career and Special Education

SED653 - Methods and Materials for Infants, Toddlers and Preschoolers
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course explores the importance of understanding the nature of young children (birth to five years) and how they learn. The course will emphasize adaptation of curriculum and intervention approaches. The course includes teaching strategies and materials selection and use.

DEPARTMENT:

Adolescent, Career and Special Education

SED654 - Classroom Management of Individuals with Mod/Sev Disabilities
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Study of the techniques and methods necessary for the organization and operation of educational programs for individuals with moderate to severe disabilities. Included are specialized teaching techniques such as precision teaching and behavior management applied to the learning environment as well as scheduling approaches, curriculum models and commercially available materials.

DEPARTMENT:

Adolescent, Career and Special Education

SED655 - Special Education Transition
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The focus of this course is to support successful transition from school to community life. This includes transitions from different grade levels as well as from public schools to private life.

DEPARTMENT:

Adolescent, Career and Special Education

SED657 - School Safety and Classroom Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides educators with the information and skills needed to create conditions that promote and maintain positive, safe, and healthy school culture, climate, and environments. Educators will also increase their knowledge of advanced strategies and techniques for classroom, school-wide, and district level, positive behavior management procedures. Field hours are required.

DEPARTMENT:

Adolescent, Career and Special Education

SED660 - Problems in Special Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This is an advanced seminar dealing with special topics. Course may be repeated as additional topics are offered.

DEPARTMENT:

Adolescent, Career and Special Education

SED685 - Positive Instructional Behavior Supports
CREDITS:

3

COURSE LEVEL:

Graduate

Description

To gain expertise in teaching students with emotional behavioral disorders. Attendance at Kentucky Department of Education's Behavior Institute is required.

DEPARTMENT:

Adolescent, Career and Special Education

SED690 - Exit Seminar in Special Education
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Provides opportunity for students to conduct a self-analysis of knowledge, skills and abilities relative to the graduate program completed. This is accomplished by a review of past textbooks and notes, small group discussions, simulations, role-playing as well as finalizing of the eligibility portfolio. Course is repeatable up to two hours.

Prerequisites

SED 605 and be within six hours or less of completing the program

DEPARTMENT:

Adolescent, Career and Special Education

SED695 - Independent Study
CREDITS:

3 - 6

COURSE LEVEL:

Graduate

Description

The independent study is available for selected students who desire to investigate an area not covered in the course work in special education. A final written paper will be submitted to the faculty member directing the study.

Prerequisites

Advanced written proposal approved by the faculty member directing the study

DEPARTMENT:

Adolescent, Career and Special Education

SOC: Sociology

SOC100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

DEPARTMENT:

Political Science & Sociology

SOC133 - Introduction to Sociology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will introduce students to sociology and the sociological perspective by focusing upon contemporary societies. Through a study of key concepts such as culture, society, group behavior, population, family, stratification, community, social institutions and change, students will be given the tools by which to understand better their society and others around the world. SOC 133 will not fulfill the requirements of HON 133.

DEPARTMENT:

Political Science & Sociology

SOC231 - Social Problems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is intended to provide the student with a conceptual framework within which to examine social problems. The class will examine the links between technological development, population growth, environmental degradation, social change and disorganization, social inequality, deviance and crime. An approved social science University Studies elective.

DEPARTMENT:

Political Science & Sociology

SOC250 - Global Sociology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will provide students with a better appreciation of the value of the sociological perspective in understanding different societies and cultures. The course will focus upon demographic factors shaping societies, values and norms, social inequality, and agents of social changes such as globalization.

DEPARTMENT:

Political Science & Sociology

SOC269 - Popular Culture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course examines the production, effects, and meaning of popular television, movies, music, art, sports, and other cultural goods using sociological theory. Questions of how popular culture influences our perceptions of race, class, and gender are critically analyzed.

DEPARTMENT:

Political Science & Sociology

SOC300 - Social Theory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the great classical tradition in sociological theory and the expression of this tradition in contemporary theory. The course will include (but not be limited to) such theorists as Weber, Marx, Durkheim, and Spencer.

DEPARTMENT:

Political Science & Sociology

SOC305 - Social Issues
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This seminar will cover an important topic or related topics. Both student and faculty interest will determine the topic. Students will both contribute and lead discussions of the readings. Research paper is required. May be repeated for a maximum of nine credit hours.

DEPARTMENT:

Political Science & Sociology

SOC315 - Addiction: Treatment and Society
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

SWK315 - Addiction: Treatment and Society

Description

An overview of current theories, models and definitions of addictive disorders, with focus on both the addictive and recovery processes. The role of the social worker/helping professional in identification, intervention and treatment will be stressed. The needs of special populations, diverse populations and family and adolescent issues will be addressed. (Same as SWK 315).

Prerequisites

Junior standing

DEPARTMENT:

Political Science & Sociology

SOC325 - Sociology of Food
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will highlight the social and cultural dimensions of the human food system, from production to consumption. Topics include an examination of food production over time, analysis of food's role in religious observances, food taboos, food and social stratification, gender roles, food and body images.

DEPARTMENT:

Political Science & Sociology

SOC331 - The Family
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will examine the contemporary family system in America. To gain an understanding, an historical perspective on the family will be provided along with some cross-cultural data on other family systems. Contemporary research findings will be presented on such topics as subcultural variations, gender roles, power, romantic love and mate selection, marriage and divorce, and alternative family structures.

DEPARTMENT:

Political Science & Sociology

SOC332 - Sociology of Childhood
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course places children at the center of inquiry, while recognizing that the meaning of childhood changes over time and place, and between social contexts and social groups. It examines how children are not just socialized by adults, but also shape their own (and adult) experiences. It will also examine various social problems as they relate to children and youth.

DEPARTMENT:

Political Science & Sociology

SOC333 - Sociology of Education
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course examines educational institutions, practices, and social issues. It examines the ways in which schools are embedded within historical, political, economic, and cultural contexts; the complexity of relationships with families/communities that they serve; and the role that education plays in stratification, social mobility, and social reproduction.

DEPARTMENT:

Political Science & Sociology

SOC334 - Sociology of Migration
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course uses a critical theoretical framework to examine migration, immigration, and emigration. Topics include: diverse factors and processes that influence crossing borders, immigration policies and rights, impact of migration on place of origin and destination, and mobility. Students also consider the impact of migration on transnational networks; intersections of race, class, gender, and sexuality with migration; and transcultural identities.

DEPARTMENT:

Political Science & Sociology

SOC335 - Sociology of Organizations
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Theories of formal and informal organizations, bureaucratic systems, alternative systems, and organizational change. Special emphasis will be placed on the relationship between the organization and its environment as well as potential solutions to organizational challenges.

DEPARTMENT:

Political Science & Sociology

SOC336 - Society and Individual
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides an examination of the sociological perspective on the relationship between the individual and social institutions. In particular, the course focuses on collective influences on the person, and the role the person plays in sustaining collective conditions. Topics for study include aggression, altruism, attitude formation, conformity, intimacy and self-esteem. Recent research findings will be emphasized.

DEPARTMENT:

Political Science & Sociology

SOC337 - Social Inequality
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the distribution of class, status and power in society. The course will focus upon theories of stratification, contemporary class systems, class differences in values and life styles, social mobility, consequences of stratification, and evolution of modern stratification.

DEPARTMENT:

Political Science & Sociology

SOC338 - Criminology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An exploration of the body of knowledge regarding crime as a social phenomenon. Special focus is given to the study of crime patterns, theories of crime causation, and differences in crime types. The connections between crime, other social processes, the law, and policies of corrections are also explored.

DEPARTMENT:

Political Science & Sociology

SOC339 - Rural Sociology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Deals with the principles underlying the organization, structure and processes of rural life. Demographic and institutional aspects of rural communities will be given particular emphasis.

DEPARTMENT:

Political Science & Sociology

SOC340 - Medical Sociology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

GTY340 - Medical Sociology

Description

An examination of sociological perspectives on health and illness. Particular emphasis will be placed upon health disparities, the social demography of illness, access to and delivery of health care, structure and organization of health care institutions, and societal responses to problems of illness and disease. (Same as GTY 340.)

DEPARTMENT:

Political Science & Sociology

SOC341 - Aging and the Life Course
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

Description

Course examines the ways in which aging and the life course are embedded in and shaped by historical, cultural, and institutional contexts. Specific topics that may be covered include diversity in the aging experience, social support networks, intimacy and sexuality in the aging process, intergenerational equity issues, retirement, economic issues, health issues, and death and dying.

DEPARTMENT:

Political Science & Sociology

SOC343 - Race and Ethnicity
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

ANT343 - Race and Ethnicity

Description

Identity, goals, and organization of racial and ethnic groups; dynamics of racism and ethnocentrism; and processes of communication, conflict, and accommodation. (Same as ANT 343.)

DEPARTMENT:

Political Science & Sociology

SOC346 - Urban Sociology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the origin, growth, and structure of the urban community. Particular attention will be paid to the nature of and possible solutions to problems that come in the wake of rapid urbanization in both the developed and developing world.

DEPARTMENT:

Political Science & Sociology

SOC347 - Sociology of Mental Health and Illnesses
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course examines mental health and mental illnesses from a sociological perspective. Special attention given to demographic characteristics associated with mental illness and how the definition of mental health illness is shaped by history, institutions, and culture.

DEPARTMENT:

Political Science & Sociology

SOC355 - Sociology of Gender
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

Description

Course examines the central role that gender and gender inequalities play in individuals' lives and the organization of society. It introduces key concepts and theories in the sociological study of gender, considers the intersections between gender and other axes of identity (race, class, etc.), and explores how gender operates within various social institutions.

DEPARTMENT:

Political Science & Sociology

SOC359 - Writing and Inquiry in the Social Sciences
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

POL359 - Writing and Inquiry in the Social Sciences

Description

The course focuses on the inquire process that is used in the social sciences and how the results of that inquiry are reported to others. Students will learn how to recognize, understand, and apply specific style, format, and rhetorical requirements for clear and concise expository writing in the social sciences. Students will create a variety of documents that typically include an essay, an annotated bibliography, and analytic case study, a policy brief, letters, memoranda, a policy or procedure, and the development of a research paper through the research design. This is the writing intensive course for all majors in political science, sociology, international studies, and public administration. (Same as POL 359.)

Prerequisites

ENG 105 or 150

DEPARTMENT:

Political Science & Sociology

SOC360 - Research Methods
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

POL360 - Research Methods

Description

Course will introduce students to social science research methods. Emphasis will be placed on the scientific method, research design, the various methods of data collection commonly used in political science and sociology, and data analysis. (Same as POL 360.)

Prerequisites

PSY 300 or STA 135 and SOC 359

DEPARTMENT:

Political Science & Sociology

SOC365 - Qualitative Research Methods
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is an introduction to the practice of qualitative research. Students in this course will be introduced to key issues concerning the qualitative approach to sociological research, methods for qualitative data collection, and qualitative date analysis. Students will apply their knowledge by conducting their own original, sociological qualitative research.

DEPARTMENT:

Political Science & Sociology

SOC370 - Political Sociology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the central problems of concern to sociologists working in the field of politics. Theories and approaches to understanding the nature of political power, the cultural dimension of politics, and the dynamics of political change will be introduced. Special attention will be given to the ways political power intersects with structures of class, gender, and race in the United States. Other topics will include the politics of the world-system, the security state, and global economic crises.

DEPARTMENT:

Political Science & Sociology

SOC380 - Society and Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will examine how technology, ranging from simple to complex, both shaped by society and culture. Controversies that stem from various technologies will be examined, such as bioethical issues, privacy, and the environment.

DEPARTMENT:

Political Science & Sociology

SOC400 - Senior Seminar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is a capstone course for all graduating majors in sociology. It is a writing-intensive course in which a discipline-based research paper is refined and orally defended. The writing emphasis is based on knowledge students gain from SOC 300 and 360. Students also develop skills for job searches, acquire information about graduate school, and complete the program assessment instrument.

DEPARTMENT:

Political Science & Sociology

SOC420 - Sociology of Religion
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

RGS420 - Sociology of Religion

Description

A study of the interrelationships of society, culture and the institution of religion. (Same as RGS 420.)

DEPARTMENT:

Political Science & Sociology

SOC430 - American Culture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course analyzes the culture of American society focusing upon American values, cultural symbols, production and distribution of culture, cultural conflicts within American society, and culture and change.

DEPARTMENT:

Political Science & Sociology

SOC432 - Social Movements and Protests
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The sociological analysis of protest and social movement organizations that challenge political institutions and other forms of institutional and cultural authority. Strategies and tactics of various types of social movements both domestic and transnational will be addressed.

DEPARTMENT:

Political Science & Sociology

SOC435 - Sociology of Work
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will examine the nature of work in contemporary societies by focusing upon the impact of specialization and bureaucratization; it will examine the different types of work; workers' response to the workplace; impact of work on family, health; role of age, gender, race in the workplace; and finally, the future of work.

Prerequisites

Six hours of sociology

DEPARTMENT:

Political Science & Sociology

SOC436 - Sociology of Sport
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Theories, methods and substantive issues in a sociological approach to sports.

Prerequisites

Six hours of sociology

DEPARTMENT:

Political Science & Sociology

SOC438 - Sociology of Deviant Behavior
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Sociological frame of reference for studying deviant behavior, with emphasis placed upon problems of definition, social processing and evaluation of significant theory and research in deviant behavior.

Prerequisites

Six hours of sociology

DEPARTMENT:

Political Science & Sociology

SOC439 - Criminology and Public Policy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course introduces students to criminological theory, public policy, and the relationship between them.

DEPARTMENT:

Political Science & Sociology

SOC440 - Sociology of Corporate and Political Deviance
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Discusses and analyzes on both national and global levels the social, economic, political, structural and cultural causes and consequences of corporate and political deviance. Examples include consumer fraud, environmental crime, corruption of the mass media, fraudulent banking practices, identity theft, and computer crime.

DEPARTMENT:

Political Science & Sociology

SOC441 - Sociology of Youth Violence
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Discusses and analyzes the social, economic, and cultural causes social consequences of youth violence. Examples include the emergence of international youth gangs, interpersonal youth violence, with attention to how they variously inform the socio-legal concept of "justice."

DEPARTMENT:

Political Science & Sociology

SOC442 - Law and Society
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An analysis of legal institutions from a sociocultural perspective, with emphasis placed on the interrelationships among social change, social problems, social policy and law.

DEPARTMENT:

Political Science & Sociology

SOC445 - Media and Crime
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course uses the sociological perspective to understand the complex relationship between media and crime. The course content will critically assess crime-related media in the United States, analyze media representations of race, gender, and social class, and explore the theories of mass media efforts. Special attention will be given to understanding the power of mass media in constructing dominant views on crime and the criminal justice system.

DEPARTMENT:

Political Science & Sociology

SOC455 - Environmental Sociology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will focus upon key theoretical approaches and research in the field of environmental sociology as well as the effects of population and economic growth along with technology, upon the environment. Environmental issues and disasters will be studied focusing upon the role of social organization, culture, values, and social inequality.

DEPARTMENT:

Political Science & Sociology

SOC465 - Globalization
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An examination of the political, economic, social and cultural forces related to our globalizing world. Theories and approaches to defining and understanding globalization will be introduced. Topics will include global institutions, immigration, labor, crime, environmental problems, and social movements.

DEPARTMENT:

Political Science & Sociology

SOC480 - Special Topics in Sociology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An undergraduate-level overview of a specific topic in sociology. May be repeated for a maximum of six hours provided topics vary.

DEPARTMENT:

Political Science & Sociology

SOC488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of chair

DEPARTMENT:

Political Science & Sociology

SOC489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of chair

DEPARTMENT:

Political Science & Sociology

SOC490 - Directed Studies
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Selected topics in sociology as arranged by the students and a professor.

Prerequisites

Permission of chair

DEPARTMENT:

Political Science & Sociology

SOC499 - Senior Honors Thesis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An undergraduate research thesis for outstanding senior majors only.

Prerequisites

Permission of the department upon nomination of a faculty member

DEPARTMENT:

Political Science & Sociology

SOC637 - Social Inequality
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An examination of the distribution of class, status, and power in society. The course will focus upon theories of stratification, contemporary class systems, class differences in values and life styles, social mobility, consequences of stratification, and evolution of modern stratification.

DEPARTMENT:

Political Science & Sociology

SOC638 - Criminology and Public Policy
CREDITS:

3

COURSE LEVEL:

Graduate

Description

This course provides a detailed overview of criminological theory and its implications for public policy. The course will provide the necessary tools and knowledge to examine, critique, and construct crime policy.

DEPARTMENT:

Political Science & Sociology

SPA: Spanish

SPA101 - Fundamental Communication in Spanish
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Basic Spanish in which students learn to describe themselves to someone from another culture; to express preferences, abilities, needs, and obligations; to ask for information; to describe people, places, and things in their world; and to report their typical activities to a Spanish speaker.

DEPARTMENT:

Global Languages and Theatre Arts

SPA102 - Social Interactions in Spanish
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Expanding upon skills built in SPA 101, students move toward increasing linguistic and social awareness of Spanish-speaking cultures. Students learn to use past tenses to talk about typical activities or to tell a story; to expand their basic vocabulary and ability to communicate in simple Spanish; and to demonstrate basic understanding of aspects of Spanish- and Latin-American cultures that may differ from their own.

Prerequisites

SPA 101

DEPARTMENT:

Global Languages and Theatre Arts

SPA103 - Elememtary Spanish Conversation I
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Designed to provide additional structured practice in the language for students enrolled in SPA 101. Emphasis is on the development of the speaking skill. Cannot be used for major, minor, or B.A.

DEPARTMENT:

Global Languages and Theatre Arts

SPA104 - Elementary Spanish Conversation II
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A continuation of SPA 103. For students enrolled in SPA 102.

DEPARTMENT:

Global Languages and Theatre Arts

SPA105 - Introduction to Hispanic Culture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of the contemporary culture of Spain and Spanish America with emphasis on values, behavioral characteristics, and social and political structures and achievements. Conducted in English.

DEPARTMENT:

Global Languages and Theatre Arts

SPA106 - Basic Spanish and Culture for Agriculture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

AGR190 - Conversational Spanish for the Agricultural Industry

Description

An introductory course with an emphasis on agricultural terminology designed for basic communication in Spanish between agricultural employers and their Spanish-speaking employees. It includes a study of Hispanic culture and the contribution of migrant workers to the U.S. agricultural industry. Students may not receive credit for both SPA 106/AGR 190 and SPA 107. (Same as AGR 190.)

DEPARTMENT:

Global Languages and Theatre Arts

SPA107 - Basic Spanish and Culture for Occupational Safety and Health
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory Spanish course with an emphasis on terminology designed for basic communication in Spanish between occupational safety and health professionals and native Spanish-speaking workers. It includes a study of Hispanic culture and the contributions of Hispanic workers to the U.S. labor force. A field visit outside of class time may be required. Students may not receive credit for both SPA 107 and SPA 106/AGR 190.

DEPARTMENT:

Global Languages and Theatre Arts

SPA108 - Basic Spanish and Culture for Healthcare Professionals
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory Spanish course with an emphasis on terminology designed for basic communication in Spanish between healthcare professionals and native Spanish-speaking patients and their families who have little or no command of English. It includes a study of Hispanic culture in order to aid communication.

DEPARTMENT:

Global Languages and Theatre Arts

SPA110 - Basic Conversational Spanish
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A conversation-oriented introduction to pronunciation, essential structures, and vocabulary. Designed to enable students to communicate in simple Spanish in everyday situations in Spanish-speaking countries. Pronunciation, listening comprehension, speaking and simple reading and writing of material related to conversational situations are included. No continuation offered. Not applicable toward Spanish major or minor. Only taught abroad.

DEPARTMENT:

Global Languages and Theatre Arts

SPA201 - Intercultural Communications in Spanish
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students strengthen their basic language skills while continuing to broaden cultural awareness of Spanish-speaking societies. Students relate experiences, produce brief reports on course topics, and express opinions concerning a variety of themes. Students learn to communicate on a more complex level in Spanish. Taught in Spanish.

Prerequisites

SPA 102 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

SPA202 - Practical Applications in Spanish
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students advance their speaking, writing, reading, and listening language skills in this interactive course focused on the practical application of the language in contemporary Spanish-speaking countries. Activities include role-play, projects, reports, and discussions of texts. Taught in Spanish.

Prerequisites

SPA 201

DEPARTMENT:

Global Languages and Theatre Arts

SPA203 - Spanish for the Working World
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation from Spanish 201, this course is a practical application of Spanish for the working world together with grammar review and with emphasis on communication skills on the formal level. Includes further practice in listening, conversation, reading and writing. Students may be required to attend and write a report on two approved cultural events or complete alternative cultural assignments. Taught in Spanish. Students may receive credit for Spanish 202 or 203, but not both. Spanish 203 counts toward the minor and the major.

Prerequisites

Spanish 201 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

SPA210 - Intermediate Spanish Conversation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to develop the vocabulary and oral communication skills of the student with a background of one year of college Spanish or equivalent. Emphasis will be placed on bringing the student into contact with Spanish native speakers and various aspects of their culture. Either SPA 210 or 211 may count as an elective for the major or minor. Only taught abroad.

Prerequisites

SPA 102 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

SPA211 - Introduction to Spanish Culture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Focuses on the contemporary cultural character of Spain. Combines traditional class work with carefully planned excursions to cultural centers. Also designed to increase linguistic proficiency and is conducted in basic Spanish.

DEPARTMENT:

Global Languages and Theatre Arts

SPA220 - Spanish for Law Enforcement Professionals
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course is designed to develop the specific vocabularly and oral communication skills essential for a student who is intending to pursue a career in law enforcement and has a background of one year college Spanish or equivalent. SPA 220 will be taught only in study abroad programs in Mexico.

Prerequisites

SPA 102 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

SPA230 - Spanish for Medical Professionals
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course is designed to develop the specific vocabulary and oral communication skills essential for a student who is intending to pursue a career in medicine or nursing, and who has a background of one year of college Spanish or the equivalent. SPA 220 will be taught only in study abroad programs in Mexico.

Prerequisites

SPA 102 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

SPA301 - Conversation and Composition I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Intensive practice in speaking and writing based on a variety of topics and materials.

Prerequisites

SPA 202

DEPARTMENT:

Global Languages and Theatre Arts

SPA302 - Conversation and Composition II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Additional practice in speaking and writing based on a variety of topics and materials.

Prerequisites

SPA 301

DEPARTMENT:

Global Languages and Theatre Arts

SPA306 - Introduction to Literature in Spanish
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to develop skills in reading, writing and oral expression which will prepare students to study authentic literature in Spanish. In addition, the rudiments of literary analysis and/or theory will be introduced through a variety of texts which might include short story, poetry, theater and film.

Prerequisites

SPA 301

DEPARTMENT:

Global Languages and Theatre Arts

SPA310 - Conversation and Composition Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Intensive practice in speaking and writing based on the student's interaction with native speakers and the international setting. Only taught abroad. Counts toward the major and minor approved electives.

Prerequisites

Two years of college Spanish or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

SPA311 - Business Spanish
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed for students with interest in international business who have had at least two years of college Spanish or equivalent. The course integrates oral and written business communications, with an emphasis on the vocabulary of business in the Spanish-speaking world.

Prerequisites

SPA 202 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

SPA314 - Advanced Spanish Culture Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Taught in Spanish and taught abroad, focuses on culture in Spanish speaking countries. The course may include carefully planned excursions to a number of specific cultural sites in conjunction with reading about the sites and the intellectual history and milieu behind their conception. The student will explore the history, art, architecture, literature, politics, and music of the host country. This course will only be taught on study-abroad programs in Spanish-speaking countries.

Prerequisites

SPA 202 or equivalent

DEPARTMENT:

Global Languages and Theatre Arts

SPA315 - Global Cinema in Spanish
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of Spanish-language cinema, examining significant directors and film movements. This class includes a two-hour per week film screening in addition to class meeting. The course is conducted in Spanish.

Prerequisites

SPA 301 or 331

DEPARTMENT:

Global Languages and Theatre Arts

SPA323 - Spanish Culture and Civilization
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A cultural survey of Spanish history with emphasis on twentieth-century Spain. Classes conducted in Spanish with extensive use of visual aids.

Prerequisites

SPA 301

DEPARTMENT:

Global Languages and Theatre Arts

SPA324 - Mexican Culture History
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to Mexican culture from a contemporary and a historical perspective taught in Spanish. Focus will be on the area's geography, history, social and political institutions, and the cultural achievements of its people. It will also explore the values and behavioral characteristics of Mexican people in order for students to better adjust to residence abroad. Course will be taught in Mexico.

Prerequisites

SPA 301

DEPARTMENT:

Global Languages and Theatre Arts

SPA325 - Spanish-American Culture
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A cultural survey of Spanish-American history with emphasis on twentieth-century Spanish America. Taught in Spanish with extensive use of visual aids.

Prerequisites

SPA 301

DEPARTMENT:

Global Languages and Theatre Arts

SPA329 - Mexican Literary Texts in Context
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Will be taught on summer abroad programs in Mexico only. It is an introductory course on Mexican literature taught in Spanish. Authentic texts might include poetry, short story, drama or excerpts from long works and might be from any literary period. An effort will be made to take advantage of residence in Mexico through visits to sites that are related to the literature.

Prerequisites

SPA 202 and 203

DEPARTMENT:

Global Languages and Theatre Arts

SPA330 - Spanish Literary Texts in Context
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Will be taught on summer abroad programs in Spain and Latin America only. It is an introductory course in Spanish literature taught in Spanish. Authentic texts might include poetry, short story, drama or excerpts from long works and might be from any literary period. An effort will be made to take advantage of residence in Spain through visits to sites that are related to the literature. May be repeated for a total of six credit hours.

Prerequisites

SPA 202 and 203

DEPARTMENT:

Global Languages and Theatre Arts

SPA331 - Advanced Language Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will offer students the opportunity to expand their cultural and linguistic knowledge of Spanish-speaking cultures through a central conceptual framework, such as an international conference, an apartment building, a hotel, or a business. Students will engage in extensive role-play and creative exercises to establish contexts, choose fictive identities, and improvise a series of encounters.

Prerequisites

SPA 301

DEPARTMENT:

Global Languages and Theatre Arts

SPA332 - Phonetics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the vocal apparatus, phonetic transcription, and analysis of the contrast between Spanish and English phonology with individual work designed to improve pronunciation. Prepares prospective teachers to teach correct pronunciation effectively.

Prerequisites

SPA 202

DEPARTMENT:

Global Languages and Theatre Arts

SPA401 - Survey of Spanish Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A panoramic study of the literature of Spain from the Middle Ages to the present.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA402 - Survey of Golden Age Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Spanish literature of the sixteenth and seventeenth centuries.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA403 - Survey of Spanish-American Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A panoramic study of the literature of Spanish America from pre-Columbian times to the present.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA404 - Don Quixote
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

See prerequisite.

Prerequisites

SPA 302 and 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA411 - Spanish-American Short Story
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The origin and development of the short story in Spanish America, with emphasis placed upon the twentieth century.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA419 - European Cinema
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Survey of European (including British) film by French, English, German, and Spanish directors in the original languages with English subtitles except for the English language films. Selected films will be organized around social themes, which will then be viewed from different national perspectives. The common discussion section on one day will be conducted in English to be accessible to students of all languages; the second discussion section will be conducted in Spanish. Students are required to attend film viewings in a separate lab section.

Prerequisites

SPA 302

DEPARTMENT:

Global Languages and Theatre Arts

SPA421 - Topics in Spanish Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course content will vary according to the needs of the Spanish program. May be repeated to a maximum of six credit hours.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA422 - Topics in Spanish American Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course content will vary according to the needs of the Spanish program. May be repeated to a maximum of six credit hours.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA430 - Advanced Conversation and Composition
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed for students with at least two years of college Spanish or equivalent. The main purpose is to develop greater fluency and better pronunciation. Oral and written reports will be required. Emphasis will be placed on idiomatic structures and vocabulary building.

Prerequisites

SPA 301

DEPARTMENT:

Global Languages and Theatre Arts

SPA431 - Advanced Translation and Interpretation in Spanish
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides the academic resources and practical skills necessary to provide cross-cultural, professional translation and interpretation from Spanish to English and from English to Spanish in a variety of professional fields, such as: business, healthcare, and criminal justice, among others. A field visit to a professional setting where interaction with native speakers is possible.

Prerequisites

SPA 301, 302, 331, GLT 401

DEPARTMENT:

Global Languages and Theatre Arts

SPA441 - Topics in Spanish Cultural Studies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course content will include a variety of factors that contribute to and reflect the cultural life, social themes, and national perspectives of Spanish society. The course content will include literature and may include media and/or film. Students will write a research paper. May be repeated for a maximum of six credit hours.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA445 - Survey of Spanish Poetry
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course will explore Spanish poetry through a variety of authors and works within the genre.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA450 - Literary Masterpieces in Spanish
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A general survey of the literary periods, major authors, and initial acquaintance with their work. May be repeated for a maximum of six credit hours.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA451 - Directed Study
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Independent work in the area of language, culture or literature, designed to meet the needs and interest of individual students.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA460 - Studies in a Genre
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course will explore a particular genre, e.g., the novel, novella, drama, poetry, short story, and the theory behind the respective genre and an examination of a variety of works within that genre. May be repeated as a second course for up to six credit hours provided that the second course covers a different genre.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA503 - Golden Age Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Spanish literature of the sixteenth and seventeenth centuries.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA505 - Nineteenth-Century Spanish Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Romanticism through Naturalism.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA507 - Twentieth-Century Spanish Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey of representative authors.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA512 - Spanish-American Novel
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Representative works from the major literary movements and most regional types will be studied.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA521 - Topics in Spanish Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Topics will vary according to the needs and interests of students. May be repeated to a maximum of six credit hours.

Prerequisites

SPA 302 and 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA522 - Topics in Spanish-American Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Topics will vary. May be repeated to a maximum of six credit hours.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA531 - Advanced Grammar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A specialized study contrasting Spanish and English grammatical structures and usage.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA532 - Phonetics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the vocal apparatus, phonetic transcription and analysis of the contrast between Spanish and English phonology with individual work designed to improve pronunciation. Prepares prospective teachers to teach correct pronunciation effectively.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA551 - Directed Study I
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Course work designed to meet specific needs and interests on an individual basis.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA552 - Directed Study II
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

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Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA555 - Study Abroad
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Credit given to students for approved travel and study in Spain and Spanish America. Repeatable up to nine hours.

Prerequisites

Junior standing or above

DEPARTMENT:

Global Languages and Theatre Arts

SPA621 - Topics in Spanish Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Topics will vary according to the needs and interests of students. May be repeated for up to six hours of credit.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA622 - Topics in Spanish-American Literature
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Topics will vary. May be repeated for a total of six hours of credit.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA631 - Advanced Grammar
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A specialized study contrasting Spanish and English grammatical structures and usage.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA651 - Directed Study I
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Course work designed to meet specific needs and interests on an individual basis. May be repeated for a total of six hours of credit.

Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA652 - Directed Study II
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

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Prerequisites

SPA 302 and SPA 301 or 306

DEPARTMENT:

Global Languages and Theatre Arts

SPA655 - Study Abroad
CREDITS:

3 - 9

COURSE LEVEL:

Graduate

Description

Credit given to students for approved travel and study in Spain and Spanish America. Repeatable up to nine hours.

DEPARTMENT:

Global Languages and Theatre Arts

STA: Statistics

STA125 - Statistical Reasoning
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is an introduction to the ideas of statistics. The emphasis is on becoming a consumer, rather than a producer, of statistical analysis. Topics to be explored include data collection, measurement, statistical ethics, descriptive statistics, statistical graphics, linear regression, and concepts of statistical inference. Emphasis will be placed on the impact of statistical reasoning in public policy and science. This course is not designed to serve as a prerequisite for future statistics courses such as STA 265; students interested in taking further courses in statistics and/or research methods should take STA 135 or STA 253.

Prerequisites

ACT math standard score of at least 19 or a satisfactory score on a placement exam or MAT 117 with a minimum grade of C or MAT 096 equivalent. Students with an ACT math standard score of 17 or 18 must register for a supplemental tutorial component

DEPARTMENT:

Mathematics and Statistics

STA135 - Introduction to Probability and Statistics
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Elementary probability, the binomial, normal, student's and chi-square distributions, random sampling, regression and correlation.

Prerequisites

ACT math standard score of at least 20 or a satisfactory score on a placement exam or MAT 117 with a minimum grade of C or MAT 097 equivalent. Students with an ACT math standard score of 18 or 19 must register for a supplemental tutorial component

DEPARTMENT:

Mathematics and Statistics

STA253 - Introduction to Statistical Data Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to statistics and data analysis intended for students pursuing a major or minor in mathematics or statistics, or students seeking a strong foundation in statistics for future courses. Topics to be covered include data collection, descriptive statistics, correlation, linear regression, the normal, binomial, and Student's t distributions, sampling distributions, bootstrapping, confidence intervals, randomization, and hypothesis testing. A student who receives credit for STA 253 may not receive credit for STA 125 or STA 135.

Prerequisites

ACT math standard score of at least 26 or MAT 150

DEPARTMENT:

Mathematics and Statistics

STA265 - Methods of Statistics and Data Science
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to data science, as applied to statistical techniques, including statistical graphics, categorical data analysis, correlation and simple linear regression, analysis of variance, multiple regression, bootstrapping, randomization tests, nonparametric statistics, text processing, and basic web scraping. A statistical programming environment such as R will be used, with an emphasis on up-to-date programming practices.

Prerequisites

STA 135 or 253

DEPARTMENT:

Mathematics and Statistics

STA430 - Explorations in Statistics
CREDITS:

1 - 4

COURSE LEVEL:

Undergraduate

Description

A guided investigation of selected topics in probability and statistics. May be repeated for a maximum of six hours of credit.

DEPARTMENT:

Mathematics and Statistics

STA450 - Introduction to Engineering Statistics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Probability, population and sample distribution, sampling, hypothesis testing, regression on one variable, and quality control.

Prerequisites

MAT 308

DEPARTMENT:

Mathematics and Statistics

STA540 - Mathematical Statistics I
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Introduction to probability theory and statistical inference. Combinatorics, conditional probability independence. Discrete and continuous random variables and their distributions. Expected value and moments of distributions. Estimation theory and properties point estimators. Confidence intervals. Basic theory of hypothesis testing. Testing means and proportion. T-tests. Descriptive statistics.

Prerequisites

MAT 308

DEPARTMENT:

Mathematics and Statistics

STA541 - Mathematical Statistics II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Additional topics in probability theory and statistical inference. Bayes' Theorem, functions of random variables, order statistics. Bayesian inference, F-tests, chi-square tests, contingency tables, regression and correlation.

Prerequisites

STA 540

DEPARTMENT:

Mathematics and Statistics

STA554 - Statistical Methods
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey course in statistical methods for advanced undergraduate students and graduate students with no prior training in statistics. The course covers techniques commonly used for data analysis in many scientific fields. Topics included are probability distributions, sampling, variance, estimation, hypothesis testing, contingency table, regression and analysis of variance. (Does not apply toward any degree in mathematics or a minor in mathematics.)

DEPARTMENT:

Mathematics and Statistics

STA565 - Applied Statistics I
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of applied statistical techniques including correlation, regression, analysis of variance and non-parametric methods with a view toward applications. A statistical computer package will be used when appropriate, but no computer background is required.

Prerequisites

An undergraduate course in statistics

DEPARTMENT:

Mathematics and Statistics

STA566 - Applied Statistics II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of MAT 565. Includes further topics in analysis and variance, non-parametrics and multivariate analysis.

Prerequisites

STA 565

DEPARTMENT:

Mathematics and Statistics

STA567 - Introduction to Time Series Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory time series analysis course that introduces students to classical and modern time series models. Time series analysis comprises methods for analyzing time series data in order to extract meaningful statistics and other characteristics of the data. Time series forecasting is the use of a model to forecast future events based on known past events: to predict data points before they are measured. This course serves junior and senior mathematics majors, mathematics minors, and other interested students. A student taking this course should have a background in statistical methods.

Prerequisites

STA 565

DEPARTMENT:

Mathematics and Statistics

STA568 - Bayesian Methods
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of Bayesian data analysis methods including Bayesian inference, hierarchical modeling, model checking, model building, Bayesian computation, and convergence monitoring and diagnostics. A Bayesian statistical computing package will be used when appropriate.

Prerequisites

STA 540 or 565

DEPARTMENT:

Mathematics and Statistics

STA569 - Topics in Statistics
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Independent work on selected topics in probability and/or statistics. May be repeated for up to six credit hours.

DEPARTMENT:

Mathematics and Statistics

STA633 - Teaching Probability and Statistics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An exploration of topics in probability and statistics from the viewpoint of future/current secondary and community college teachers of mathematics and statistics. Such topics include descriptive statistics, correlation and regression, uses and abuses of statistics in real life, traditional and simulation-based approaches to teaching statistical inference, common misconceptions in probability, and the AP Statistics curriculum. (This course does not offer graduate credit for those people seeking a master of science degree in mathematics or chemistry or a master of arts degree in mathematics.)

DEPARTMENT:

Mathematics and Statistics

STA640 - Mathematical Statistics I
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Introduction to probability theory and statistical inference. Combinatorics, conditional probability independence. Discrete and continuous random variables and their distributions. Expected value and moments of distributions. Estimation theory and properties point estimators. Confidence intervals. Basic theory of hypothesis testing. Testing means and proportion. T-tests. Descriptive statistics.

Prerequisites

MAT 308

DEPARTMENT:

Mathematics and Statistics

STA641 - Mathematical Statistics II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Additional topics in probability theory and statistical inference. Bayes' Theorem, functions of random variables, order statistics. Bayesian inference, F-tests, chi-square tests, contingency tables, regression and correlation.

Prerequisites

STA 540 or 640

DEPARTMENT:

Mathematics and Statistics

STA654 - Statistical Methods
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A survey course in statistical methods for advanced undergraduate students and graduate students with no prior training in statistics. The course covers techniques commonly used for data analysis in many scientific fields. Topics included are probability distributions, sampling, variance, estimation, hypothesis testing, contingency table, regression and analysis of variance. (Does not apply toward any degree in mathematics.)

DEPARTMENT:

Mathematics and Statistics

STA660 - Biostatistics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of applied statistical techniques including correlation, regression, analysis of variance, categorical data analysis and non-parametric methods with a view toward applications in clinical research and health related sampling. A statistical computing package will be used when appropriate. A student may not receive credit for both STA 565 and 660 or STA 665 and 660. This course does not offer graduate credit for students seeking a Master of Science in mathematics or chemistry, or a Master of Arts in mathematics.

Prerequisites

An undergraduate course in statistics

DEPARTMENT:

Mathematics and Statistics

STA665 - Applied Statistics I
CREDITS:

4

COURSE LEVEL:

Graduate

Description

A study of applied statistical techniques including correlation, regression, analysis of variance and non-parametric methods with a view toward applications. A statistical computer package will be used when appropriate, but no computer background is required.

Prerequisites

An undergraduate course in statistics

DEPARTMENT:

Mathematics and Statistics

STA666 - Applied Statistics II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A continuation of MAT 565. Includes further topics in analysis and variance, non-parametrics and multivariate analysis. .

Prerequisites

STA 565 or 665

DEPARTMENT:

Mathematics and Statistics

STA667 - Introduction to Time Series Analysis
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Linear time series models; moving average, autoregressive and/or ARIMA models; estimation, data analysis and forecasting with time series models; forecast errors and confidence intervals.

Prerequisites

STA 565 or STA 665

DEPARTMENT:

Mathematics and Statistics

STA668 - Bayesian Methods
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A study of Bayesian data analysis methods including Bayesian inference, Hierarchical modeling, model checking, model building, Bayesian computation, and convergence monitoring and diagnostics. A Bayesian statistical computing package will be used when appropriate. Does not count towards a M.A. in Mathematics degree.

Prerequisites

STA 565 or 665 or STA 540 or 640

DEPARTMENT:

Mathematics and Statistics

STA669 - Topics in Statistics
CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Description

Independent work on selected topics in probability and/or statistics. May be repeated for up to six credit hours.

Prerequisites

Permission of instructor

DEPARTMENT:

Mathematics and Statistics

STM: STEM Leadership

STM901 - Professional Studies in STEM Education I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A field- and research-oriented practicum at Breathitt Veterinary Center, Hancock Biological Station, MARC Center, or another approved MSU area. This course provides practical experience in an area of science, technology, engineering or mathematics designed to complement the main research efforts and expertise of the student.

Prerequisites

completion of ADM 800

DEPARTMENT:

Jesse D. Jones College of Science, Engineering and Technology

STM902 - Professional Studies in STEM Education II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A field- and research-oriented practicum at Breathitt Veterinary Center, Hancock Biological Station, MARC Center, or another approved MSU area. This course provides practical experience in an area of science, technology, engineering or mathematics designed to complement the main research efforts and expertise of the student.

Prerequisites

completion of ADM 800

DEPARTMENT:

Jesse D. Jones College of Science, Engineering and Technology

STM904 - Contemporary Issues in STEM Policy and Education
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The purpose of this course is to investigate contemporary issues impacting STEM areas. Special topics explored in this course may include public policy, regional, national, or global trends, and educational practice.

Prerequisites

completion of ADM 800

DEPARTMENT:

Jesse D. Jones College of Science, Engineering and Technology

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SWK: Social Work

SWK100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Introductory seminar for all first-semester social work majors. Graded pass/fail.

DEPARTMENT:

Community Leadership and Human Services

SWK102 - Introduction to the Human Services
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course is designed to provide an overview of the human services field and to present similarities and differences between majors that prepare graduates for human services. Topics include education for the field, licensing requirements and practice settings. The course will help students explore social work and related fields in order to make the best choice of major. Open to all students who have not completed a social work course above the 200-level. This course will not take the place of SWK 190 for social work majors.

DEPARTMENT:

Community Leadership and Human Services

SWK120 - Building Foundations for Successful Parenting
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course designed to give students an understanding of the skills necessary for a successful experience in the area of foster care and adoption services. The course includes content on Kentucky's standards of practice as well as federal legislation with regard to the safety, well-being and permanency of children in and out of home care; strengths and needs; grieving; the cycle of need; and, partnership efforts necessary between birth parents, foster parents, adoptive parents, social workers, therapists and others involved in the support and care of a child. Graded pass/fail.

DEPARTMENT:

Community Leadership and Human Services

SWK121 - Child Sexual Abuse Issues for Foster and Adoptive Parents
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

Course designed to give students an understanding of the specialized insights and skills necessary for working with children and birth families where there has been sexual abuse. Graded pass/fail.

Prerequisites

SWK 120

DEPARTMENT:

Community Leadership and Human Services

SWK190 - Introduction to Social Work
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A course designed to provide an overview of the field of social work and the various methods and areas of social work practice. Current response to human needs as well as trends and issues affecting the profession of social work will be explored.

Prerequisites

ENG 105; SOC 133 as pre- or corequistie

DEPARTMENT:

Community Leadership and Human Services

SWK201 - Social Work and Social Welfare
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the institution of social welfare and the profession of social work; includes the historical development of conflicting social philosophies and modern social welfare programs, as well as the historical development of the profession of social work.

Prerequisites

ENG 105, POL 140, and SOC 133

DEPARTMENT:

Community Leadership and Human Services

SWK206 - Substance Abuse Prevention for Communities and Schools
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to provide entry-level knowledge about substance abuse and methods of prevention, including community education in churches, community agencies, schools, sports programs, and county and city government. An explanation of the various kinds of treatment and community programs is included.

DEPARTMENT:

Community Leadership and Human Services

SWK218 - Financial Literacy for Social Workers
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This class will present the knowledge and skills to prospective social workers so that they are able to assist clients with basic financial skills and will also provide social workers with the ability to assess client financial skills. Many client issues are rooted in client lack of financial literacy, including child neglect and abuse, domestic violence and some mental health problems. The ability of the social worker to address this issue with the client is critical in professional BSW level practice.

DEPARTMENT:

Community Leadership and Human Services

SWK220 - Health Care in Generalist Social Work Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Social workers often must assist clients and their families with health care issues in the context of generalist social work practice. This course is designed to provide basic knowledge and skills for generalist social work practice with clients and families who have health care related issues.

DEPARTMENT:

Community Leadership and Human Services

SWK225 - Human Diversity
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to give students an understanding of the concept of human diversity. It includes content on race, ethnicity, culture, class, gender, sexual orientation, religion, physical and mental ability, age and national origin.

Prerequisites

ANT 140 or SOC 133 as pre- or corequisties

DEPARTMENT:

Community Leadership and Human Services

SWK230 - Social Work in a Multicultural Society
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course focuses on racial and ethnic minorities such as the African American and Hispanic experience in the United States viewed specifically through the lens of the Kentucky experience. Oppression, economic and social class, education and family life will be emphasized, as will societal barriers to success. This course is designed to help students be successful in an increasingly diverse society.

DEPARTMENT:

Community Leadership and Human Services

SWK275 - Environmental Issues in Social Work Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course focuses on the natural world and its impact on social work clients at the micro, mezzo and macro levels and on the ethical issues implicit in environmental justice. Because of social work's dual focus on the person and on the environment, social workers are in a unique position to mediate human experiences in the natural world. Because the profession is focused on justice and because societal transgressions against economic justice often impact individuals negatively, a focus on environmental justice is a natural extension of social work practice.

DEPARTMENT:

Community Leadership and Human Services

SWK301 - Human Behavior and the Social Environment I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Focus on developmental processes (biological, psychological, and social) throughout the life span of individuals (pre-birth to old age) while emphasizing the interdependence between people and the environment in which they live. In addition, students learn to critically analyze theories related to human development and human behavior. Builds on general education courses including psychology, sociology, anthropology, and biology.

Prerequisites

PSY 180, SOC 133, SWK 190, and 225 as pre- or corequisties

DEPARTMENT:

Community Leadership and Human Services

SWK302 - Human Behavior and Social Environment II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Primary focus is on models, theories, and knowledge related to larger systems such as families and other small groups, organizations, communities, and political systems.

Prerequisites

PSY 180, SOC 133, SWK 190 and 225 as pre- or corequisites

DEPARTMENT:

Community Leadership and Human Services

SWK303 - Principles and Methods of Research

CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

-

Description

An introduction to quantitative and qualitative methods of research designed to enable students to understand the critical and scientific methodologies their discipline uses to discover knowledge and ascertain its validity. Ethical issues and program evaluation will also be discussed. Enrollment will be limited to social work majors and social welfare minors or by permission of instructor.

DEPARTMENT:

Community Leadership and Human Services

SWK304 - Quantitative Analysis

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Basic concepts of statistics are covered including descriptive and inferential statistics, up to and including linear regression. Students also learn to use a statistical package to enter data and calculate statistics.

Prerequisites

ACT math standard score of at least 20 or MAT 105

DEPARTMENT:

Community Leadership and Human Services

SWK305 - Services to Older Americans
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

GTY305 - Services to Older Americans

Description

An examination and study of the social problems experienced by older Americans and the modes of social intervention employed by society, through the Aging Network, to assist the aging and the aged. (Same as GTY 305.)

Prerequisites

Junior standing

DEPARTMENT:

Community Leadership and Human Services

SWK306 - Social Work with African American Males
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course focuses on social work with African American males over the lifespan. Course will use the strengths perspective framework to focus on African American males as well as to the issues and challenges encountered by African American males in the United States. Emphasis will be given to issues such as racial profiling, incarceration of African American males, and equal access.

DEPARTMENT:

Community Leadership and Human Services

SWK307 - Social Work with African American Families
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course examines the changing dynamics within American society as related to African American families. Special attention will be given to key issues and challenges to the African American community through an examination of the intergenerational African American family.

DEPARTMENT:

Community Leadership and Human Services

SWK308 - Interviewing Skills for the Human Services
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Designed for those not majoring in social work, demonstration and practice of basic helping skills for those students who will work in human services agencies or other school, community, faith-based, or missionary settings. In a laboratory-like interaction, students practice the skills related to successful interviewing of clients. This course will not take the place of SWK 311 for social work majors.

DEPARTMENT:

Community Leadership and Human Services

SWK310 - Social Work Practice I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This is the first course in the social work practice sequence and presents the generalist model with emphasis on work with individuals and families. Social Work Practice I is designed to introduce the student to the skills and processes of social work. Content will include the theoretical and philosophical bases of the generalist model, intervention processes, and the legal and ethical parameters of practice. Fundamental principles of interviewing and record-keeping will be presented. The focus of the course is on the ethical application of practice theory. Participation in experiential activity and demonstration of basic helping skills are expected.

Prerequisites

SWK 190, 201, 225, and 301 or 302

DEPARTMENT:

Community Leadership and Human Services

SWK311 - Social Work Practice Skills
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Presents a laboratory-like interaction, which builds on the theoretical information presented in SWK 310. Fundamental principles of interviewing and record-keeping will be presented. The focus of the course is on the ethical application of practice theory. Participation in experiential activity and demonstration of basic helping skills are expected.

Prerequisites

SWK 190, 201, and 225

DEPARTMENT:

Community Leadership and Human Services

SWK312 - Social Work Practice II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This is the second course in the social work practice sequence and continues the study of social work practice with an emphasis on social work with families and groups. It is designed as an intermediate level investigation and study of the practical application of the generalist model within a group framework. Content will include conceptual framework and techniques of group work. This course may not be taken concurrently with SWK 313.

Prerequisites

Declared Social Work area, admission to the social work program, and SWK 302 and 310

DEPARTMENT:

Community Leadership and Human Services

SWK313 - Social Work Practice III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This is the third course in the social work practice sequence and continues the study of social work practice with an emphasis on social work with organizations and communities. It is designed as an intermediate level investigation and study of practical application of the generalist model within an organization and community framework. Content will include conceptual framework and techniques of social work in organizations and communities, models of organizational and community practice, and evaluation of practice. This course may not be taken concurrently with SWK 312.

Prerequisites

Declared Social Work area, admission to the social work program, SWK 302 and 310

DEPARTMENT:

Community Leadership and Human Services

SWK315 - Addiction: Treatment and Society

CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

SOC315 - Addiction: Treatment and Society

Description

An overview of current theories, models and definitions of addictive disorders, with focus on both the addictive and recovery processes. The role of the social worker/helping professional in identification, intervention and treatment will be stressed. The needs of special populations, diverse populations and family and adolescent issues will be addressed.

Prerequisites

Junior standing

DEPARTMENT:

Community Leadership and Human Services

SWK316 - Substance Abuse in Older Adults

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides students with an understanding of the biological, psychological, and social etiology of substance use and addiction in older adults. It will focus on assessment of older individuals with potential substance abuse and on the available forms on interventions. Gender, health-specific, cross-cultural, and polypharmacy issues will be addressed. Implications for social work intervention at micro, mezzo, and macro levels will be examined.

Prerequisites

Junior standing

DEPARTMENT:

Community Leadership and Human Services

SWK318 - The Grant Process for Human Service Agencies
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to help students understand the grant process in the human services, including grant typology, grant application preparation, and best practices for submitting a successful proposal as well as how to implement the grant once received by the human services agency, and how to evaluate the effectiveness of the grant.

Prerequisites

Junior standing

DEPARTMENT:

Community Leadership and Human Services

SWK336 - Family Violence
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

Description

A comprehensive examination of the effects of violence on the American family, and the ways in which social service agencies and practitioners respond to the unique needs created by this social problem.

Prerequisites

Junior standing

DEPARTMENT:

Community Leadership and Human Services

SWK337 - Social Work with Active Military, Veterans, and Military Families
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to help students understand the military culture and the particular issues facing veterans and their families during deployment and during reentry into the community. Particular attention will be paid to post-traumatic stress disorder, suicidality, domestic violence, and homelessness among veterans.

Prerequisites

SWK 310

DEPARTMENT:

Community Leadership and Human Services

SWK338 - Social Work in the Church Setting
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to help students understand the church as a practice setting for social work and to acquire the skills necessary to work in and with local churches to meet the needs of people locally and around the world. Particular attention will be placed on the role of values and volunteerism in this practice setting.

Prerequisites

SWK 102 or SWK 190

DEPARTMENT:

Community Leadership and Human Services

SWK340 - Human Trafficking
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This class provides an overview of human trafficking that will help the prospective social worker develop an understanding of the multiplicity of issues involved in human trafficking both globally and in the United States. The role of media, economics, and culture are explored along with methods of determining whether a client has been trafficked, prevention and the use of media in such efforts, education of other professionals and the court system, methods of intervention and trauma treatment.

DEPARTMENT:

Community Leadership and Human Services

SWK346 - International Social Work
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides an examination of global interdependence and professional action in the context of social work history, values, policy, practice, and education in a global perspective. International aspects of domestic practice and policy, professional exchange, international development practice, and policy formulation and advocacy at the global level are also covered.

DEPARTMENT:

Community Leadership and Human Services

SWK347 - Social Work Practice in Rural Areas
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course explores the particular challenges associated with rural social work. Many of the social issues and problems associated with urban populations are also found in contemporary rural America. This course describes and analyzes current trends in rural social work practice and considers the most effective ways to serve rural communities.

DEPARTMENT:

Community Leadership and Human Services

SWK348 - Technology in Human Services
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course explores the integration of technology and human services. This course describes and analyzes current trends in the use of technology in human services and considers the most effective ways to utilize technology to serve underserved communities and populations.

DEPARTMENT:

Community Leadership and Human Services

SWK350 - Social Welfare Policies and Services
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course examines historical and contemporary legislative and political responses to the social and economic problems that confront society. A major focus is on the preparation of students, as generalist social workers, to systematically analyze social welfare policies and effectively impact the development of social policy.

Prerequisites

SWK 201

DEPARTMENT:

Community Leadership and Human Services

SWK355 - Perspectives on Women
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

SOC355 - Sociology of Gender

Description

Introduction to the study of women's issues in contemporary society. The course will include an overview of the history of the feminist movement and its role in human liberation. The socialization of women and their status in relationship to economic, social and political institutions will be emphasized. Particular attention will be given to these issues as they relate to women of color, older women and lesbian women.

Prerequisites

Junior standing

DEPARTMENT:

Community Leadership and Human Services

SWK365 - Crisis Intervention
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will focus on the techniques and management skills employed by social workers in dealing with emergency and crisis situations. Short-term, limited goal interventions will be emphasized.

Prerequisites

SWK 310

DEPARTMENT:

Community Leadership and Human Services

SWK370 - Gerontological Social Work Theory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will examine the broader context of the social/cultural meaning of aging in contemporary American society and what social work professionals must know in order to provide social services to those classified as elderly. The emphasis in this course will be on social gerontological theories relevant to work with older people.

DEPARTMENT:

Community Leadership and Human Services

SWK371 - Biopsychosocial Aspects of Aging
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The focus of this class is on the biological, psychological, social aspects of aging, and human development in the second half of the life cycle. The changing meaning of aging and its implications for social work practice will be emphasized.

DEPARTMENT:

Community Leadership and Human Services

SWK375 - Social Work in Health Care Settings
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the role and scope of social services in health care settings. Focus will be placed on the multidisciplinary team approach to service delivery.

Prerequisites

SWk 310

DEPARTMENT:

Community Leadership and Human Services

SWK385 - Social Work in Mental Health Settings
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the role and scope of social services in behavioral health settings. Focus will be placed on the interdisciplinary team approach to service delivery.

Prerequisites

SWK 310

DEPARTMENT:

Community Leadership and Human Services

SWK395 - Substance Abuse Prevention
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to provide an overview of substance or drug abuse and the various strategies used in preventive efforts. The role of prevention in the continuum of care will be examined from a historical perspective. A variety of problems associated with substance abuse, including legal, health and impairment problems, will be explored.

Prerequisites

Junior standing

DEPARTMENT:

Community Leadership and Human Services

SWK396 - Issues Facing the Minority Elderly
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The focus of the course is on the issues related to racial and ethnic group membership faced by minority elderly. Content will include a discussion of appropriate theories of aging as well as services available to this population and barriers to serving the minority elderly.

Prerequisites

Junior standing

DEPARTMENT:

Community Leadership and Human Services

SWK405 - Child Abuse and Neglect
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to provide a comprehensive introduction to child abuse and neglect from a social work perspective. The course will focus on the extent of the problem, its effects on children, treatment issues, the social worker's role in a multi-disciplinary team approach to intervention and advocacy for individuals and families. This course is the first of two specific course requirements for the Public Child Welfare Certification Program available through Murray State University's Social Work Program and the Kentucky Cabinet for Families and Children.

DEPARTMENT:

Community Leadership and Human Services

SWK410 - Enhancing Safety and Permanency
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course prepares undergraduate students in the College of Health Sciences and Human Services to develop knowledge and skills in the delivery of services to children and youth in foster care and other out of home care situations in the context of an ecological and family solutions framework.

Prerequisites

SWk 120

DEPARTMENT:

Community Leadership and Human Services

SWK415 - Child Abuse Interventions
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to provide a comprehensive introduction to practice skills and treatment interventions related to social work with abused and neglected children and their families. This course will focus on the development of specific practice skills in collecting data and assessing situations with a variety of client types. This course is the second of two specific course requirements for the Public Child Welfare Certification Program available through Murray State University's Social Work Program and the Kentucky Cabinet for Families and Children.

Prerequisites

SWK 405 and permission of instructor

DEPARTMENT:

Community Leadership and Human Services

SWK424 - Case Management: Theory and Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will address the theory and practice of effective case management and the skills necessary to assess the client situation and to optimize client functioning. This course will focus on a diverse population of vulnerable clients across various practice settings. The settings emphasized include medical/health, educational, psychiatric and services to the elderly. Policy issues will be addressed, as they relate to advocacy, service planning, and program design.

Prerequisites

SWK 310

DEPARTMENT:

Community Leadership and Human Services

SWK425 - HIV Disease: The Individual and Society
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is an overview of HIV disease and its impact on individuals and society. This course will focus on the history of the illness, as well as, current medical and epidemiological information. Current treatment, legal and ethical issues, social responses, and personal and societal values will be explored.

Prerequisites

Junior standing

DEPARTMENT:

Community Leadership and Human Services

SWK426 - Spirituality and Social Work Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in understanding the role of spirituality in a person's life and how to engage in spiritually sensitive practice. Time will be spent exploring how the social worker's spirituality influences their practice and the importance of including information regarding client spirituality when completing an assessment.

DEPARTMENT:

Community Leadership and Human Services

SWK427 - Professional Practice in Drug Court
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will provide students with an understanding of the ethics in practice with drug court clients, and will deal with other professional issues including worker client boundaries, the role of worker self awareness in providing treatment, and dealing with community values related to drug court clients. Students may be asked to attend local drug court functions.

DEPARTMENT:

Community Leadership and Human Services

SWK428 - History and Philosophy of Drug Court
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course will provide students with an understanding of the role of drug court in Kentucky, national trends related to the establishment of drug courts, the history of drugs court in the state, and an understanding of the philosophy of drug court. Students may be asked to attend local drug court functions.

DEPARTMENT:

Community Leadership and Human Services

SWK429 - Behavioral Issues in Drug Court Practice
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will provide students with an understanding of the behavioral issues present by drug court clients, including those issues caused by the effects of alcohol and other pharmacological substances. Students may be asked to attend local drug court functions.

DEPARTMENT:

Community Leadership and Human Services

SWK431 - Adult Protection
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will provide students with an understanding of adult protective services, an institutional response to caring for vulnerable adults in society. The content of the class will be based on Kentucky laws, policies and procedures.

DEPARTMENT:

Community Leadership and Human Services

SWK432 - Foster Care and Adoption
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will provide students with an understanding of the role of foster care in society, the role of protective services in monitoring foster care, and policies and procedures governing adoption.

DEPARTMENT:

Community Leadership and Human Services

SWK435 - Social Work and Human Rights
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A social work program elective that looks at the history of human rights throughout the world and how history affects present efforts to create a more just society and world. Class will focus on present-day human rights issues around the world and at home using social work values and the Universal Declaration of Human Rights as a model.

Prerequisites

Social Work major

DEPARTMENT:

Community Leadership and Human Services

SWK442 - Immigration and Social Work: A Global Perspective
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will provide students with an understanding of the process of transnational migration and its impact, the varied life contexts that necessitate migration and the consequences to individuals, families, sending and receiving countries. The implications for social work at micro, mezzo and macro levels and current global concerns with immigration will be addressed.

DEPARTMENT:

Community Leadership and Human Services

SWK460 - Topical Seminar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Seminar dealing with various social work topics. Topics may differ from semester to semester depending on program curricular needs and demonstrated interest of students. May be repeated for a maximum of nine credit hours when topic differs.

Prerequisites

Junior standing

DEPARTMENT:

Community Leadership and Human Services

SWK488 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses. Graded pass/fail.

Prerequisites

Permission of social work program director

DEPARTMENT:

Community Leadership and Human Services

SWK489 - Cooperative Education/Internship
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

A meaningful, planned, and evaluated work experience related to the career and educational objectives of the student for which he/she may receive academic credit and possible financial remuneration. May be repeated for a maximum of six hours from any 488/489 courses.

Prerequisites

Permission of social work program director

DEPARTMENT:

Community Leadership and Human Services

SWK498 - Senior Seminar
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The final social work practice course designed to prepare students for beginning professional entry-level generalist practice. This course will explore issues related to agency based work environments, service delivery in a generalist framework, current issues in the field, and focus on the professional use of self as well as professional writing in the field of social work. This course is taken in the final semester before SWK 499.

Prerequisites

Declared Social Work area; admission to the social work program; SWK 310, 311, and either 312 or 313 (which may be taken concurrently)

DEPARTMENT:

Community Leadership and Human Services

SWK499 - Field Practicum
CREDITS:

12

COURSE LEVEL:

Undergraduate

Description

Internship in a community social service agency. Field practicum is designed to give students an educational work experience in which they apply generalist social work practice theory and skills. Concurrent field seminar class meets regularly on campus to explore current issues related to service delivery to individuals, families, groups, organizations and communities. Field practicum requires a full semester (500 clock hours) of full-time agency-based work. No student is guaranteed an internship since the agencies make the final decision about suitability. All academic coursework must be completed prior to enrollment in this class. Students must have professional liability insurance before beginning this class.

Prerequisites

Formal admission to the social work program, consent of field education review committee and SWK 498

DEPARTMENT:

Community Leadership and Human Services

SWK500 - Independent Study
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Faculty supervised independent study and investigation of selected topics related to the student's academic and/or career goals. This course cannot be used as a social work elective. Course may be repeated for a maximum of nine hours of credit if topics/investigations vary.

Prerequisites

Social work major with advanced standing, social welfare minor, and others with consent of instructor; permission of program director

DEPARTMENT:

Community Leadership and Human Services

SWK505 - Peacebuilding and the Helping Professions
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The course explores peace as a worldview, emphasizing its diverse meaning across multiple contexts and life experiences. It analyzes peace and peacebuilding at the micro (individual & family), mezzo (small groups/ agencies), and macro (community, organizations, regional, national and global) levels. The course emphasizes resilience and peacebuilding in practice, in diverse settings including schools, hospitals, and social service agencies. Particular attention is given to disaster preparedness and post-conflict recovery, such as resettling displaced communities, promoting trauma work and healing, and rebuilding infrastructures.

Prerequisites

Junior standing

DEPARTMENT:

Community Leadership and Human Services

SWK605 - Peacebuilding and the Helping Professions
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The course explores peace as a worldview, emphasizing its diverse meaning across multiple contexts and life experiences. It analyzes peace and peacebuilding at the micro (individual & family), mezzo (small groups/ agencies), and macro (community, organizations, regional, national and global) level. The course emphasizes resilience and peacebuilding in practice, in diverse settings including schools, hospitals, and social service agencies. Particular attention is given to disaster preparedness and post-conflict recovery, such as resettling displaced communities, promoting trauma work and healing, and rebuilding infrastructures.

DEPARTMENT:

Community Leadership and Human Services

THD: Theatre

THD100T - Transitions
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Introduction to policies and guidelines for the department. Transfer students to the theatre program are encouraged to participate. Graded pass/fail.

DEPARTMENT:

Global Languages and Theatre Arts

THD101 - Dance Appreciation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Orientation to dance as an art form: historical and aesthetic perspectives, basic dance elements, and the relationship to other arts and to the culture. Lectures, films, demonstrations and practical dance experience.

DEPARTMENT:

Global Languages and Theatre Arts

THD103 - Theatre Foundations
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Preparation in audition techniques, resume, and portfolio presentation.

DEPARTMENT:

Global Languages and Theatre Arts

THD104 - The Theatrical Experience
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Critical analysis of the theatre as an art form. Emphasis is on the play in production, not the play as literature. A student cannot have credit for both this course and HON 163.

DEPARTMENT:

Global Languages and Theatre Arts

THD105 - Introduction to Acting
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The fundamentals of the craft of acting for the beginning/amateur adult actor will be taught. The course highlights introductory techniques to make a non-theatre major's performance more natural and spontaneous. Students will be required to see the productions presented by the Department of Theatre during the semester they are enrolled in the course. This course will not fulfill any requirements for a theatre major, but can be used in both theatre and musical theatre minors.

DEPARTMENT:

Global Languages and Theatre Arts

THD106 - Theatre Production Practicum
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Six credits of THD 106 are required for theatre majors prior to graduation. Theatre minors must enroll for two semesters prior to graduation. Successful completion of the course requires participation at all auditions during the semester enrolled and completed acting or crew assignments during the semester enrolled.

Prerequisites

Theatre major or minor

DEPARTMENT:

Global Languages and Theatre Arts

THD107 - Summer Theatre Production
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

A practical experience in which participant work in a summer theatre as an actor, crew member, manager, or other production responsibility. Students work directly with the department faculty in pre- and post-production events for the course.

DEPARTMENT:

Global Languages and Theatre Arts

THD110 - Movement for the Actor
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to basic physical skills needed for acting: relaxation, flexibility, manipulation of the body at rest and in motion.

DEPARTMENT:

Global Languages and Theatre Arts

THD111 - Acting I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to a Stanislavski-based approach to relaxation, concentration, script analysis,scoring techniques, and character development.

Prerequisites

Theatre major or minor

DEPARTMENT:

Global Languages and Theatre Arts

THD112 - Music Theatre Production Practicum
CREDITS:

1

COURSE LEVEL:

Undergraduate

Description

Successful completion of the course requires participation at all musical theatre auditions during the semester enrolled and full completion of acting or crew assignments during the semester enrolled. Letter-graded course.

Prerequisites

Musical theatre major or minor

DEPARTMENT:

Global Languages and Theatre Arts

THD118 - World Theatre
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to the development, expansion, and adaptation of theatre around the world and how it has derived out of varying global religious, political, and social contexts globally. Understanding of the world's artistic elements, and cultural requirements that have made certain forms of theatre successful through the ages. Students will be required to attend MSU Department of Global Languages and Theatre Arts' main stage productions.

DEPARTMENT:

Global Languages and Theatre Arts

THD120 - Play Analysis
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study and application of the basic concepts and skills needed to successfully comprehend and approach a play in production.

DEPARTMENT:

Global Languages and Theatre Arts

THD140 - Stagecraft
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course will be an introduction to the basic techniques of scenic construction and backstage procedures. Practical work on productions is required outside of lecture.

DEPARTMENT:

Global Languages and Theatre Arts

THD142 - Costume Construction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the techniques employed in costume construction. The class focus is on building costumes and sewing projects.

DEPARTMENT:

Global Languages and Theatre Arts

THD210 - Voice and Diction
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

MUS212 - Voice and Diction

Description

Introduction to an organic and healthful approach to relaxation, breath support, vocal projection, and clarity of diction. (Same as MUS 212)

DEPARTMENT:

Global Languages and Theatre Arts

THD220 - Creative Drama
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Theatre games, group expression, improvisation, and storytelling will be examined. Using drama to educate children will be the emphasis for the class.

DEPARTMENT:

Global Languages and Theatre Arts

THD221 - Performance Theory
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of acting, directing, and design theorists from ancient times to the contemporary era. This is a lecture/discussion course that is team-taught by faculty in the disciplines of acting, directing, and design. Students will be required to attend all productions offered by the department during the semester the course is taught.

Prerequisites

THD 120

DEPARTMENT:

Global Languages and Theatre Arts

THD225 - Children's Theatre Touring Company
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Audition-based touring organization. Performances will take place at K-12 institutions each semester. May be repeated once for credit towards the theatre major.

Prerequisites

Audition entry to the company

DEPARTMENT:

Global Languages and Theatre Arts

THD230 - Stage Manangement
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Examination of theoretical and practical aspects of working as a stage manager.

DEPARTMENT:

Global Languages and Theatre Arts

THD250 - Basic Theatre Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Fundamental techniques and theories of design for the stage in the areas of scenery, costuming, lighting, and sound will be introduced. This course is a lecture/discussion-based course. It will be team-taught by faculty in the theatre discipline of design. Students will be expected to attend all productions offered by the department each semester the course is taught and will respond to the productions in writing.

Prerequisites

THD 120

DEPARTMENT:

Global Languages and Theatre Arts

THD251 - Computer Aided Drafting for the Stage
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to using Computer Aided Drafting (CAD) common in technical theatre and design. The class will learn the requirements of, and how to create ground plans, scenic elevations, technical drawings, light plots and three dimensional models. The class will also provide a unit on hand sketching using traditional media.

DEPARTMENT:

Global Languages and Theatre Arts

THD260 - Music Theatre Dance I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Exploration of choreographers and their styles as they relate to musical theatre genres. Practical dance experience is utilized in the course.

DEPARTMENT:

Global Languages and Theatre Arts

THD262 - Jazz Dance I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of the theory, technique, and history of jazz dance. Practical dance experience is utilized in the course.

DEPARTMENT:

Global Languages and Theatre Arts

THD270 - Stage Combat
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will study the techniques of staging moments of physical violence on stage. Emphasis on safety and performance. Students are required to attend all Murray State University Theatre Department season productions.

Prerequisites

THD 110 and 111

DEPARTMENT:

Global Languages and Theatre Arts

THD275 - Acting for Film, Television, and Commercials
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introductory course focused specifically on acting for film, television, and commercials. The course is focused on auditioning and acting techniques for the camera, as well as standard terminology and jargon actors need to know when working in film, television, and commercials.

Prerequisites

THD 111 and 120

DEPARTMENT:

Global Languages and Theatre Arts

THD310 - Acting II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A continuation of a Stanislavski-based approach to acting including in-depth scene work in modern are introduced and utilized along with formal script analysis and scoring techniques as they relate to the actor-audience relationship.

Prerequisites

THD 111 and 221

DEPARTMENT:

Global Languages and Theatre Arts

THD312 - Advanced Movement for Actors
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of period movement techniques, stage combat and other advanced physical acting techniques. Students will be expected to participate in each class period with the instructor leading exercises and various other techniques. Students will be expected to attend all productions offered by the department each semester the course is taught will respond to the productions in writing.

Prerequisites

THD 110

DEPARTMENT:

Global Languages and Theatre Arts

THD320 - Playwriting
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of the principles and practices of dramatic construction of play scripts.

Prerequisites

THD 120

DEPARTMENT:

Global Languages and Theatre Arts

THD321 - Entertainment Makeup
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

The principles of stage, TV, and Film makeup are explored through lecture, demonstration, and application. Must be clean-shaven to take this course.

DEPARTMENT:

Global Languages and Theatre Arts

THD322 - International Studies in Theatre
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of current theatrical productions in a foreign country. A residency outside of the United States is required for this course.

DEPARTMENT:

Global Languages and Theatre Arts

THD330 - Theatre Management and Arts Leadership
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of theatre management techniques focusing on arts leadership skills and theories.

DEPARTMENT:

Global Languages and Theatre Arts

THD340 - Advanced Stagecraft
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to advanced techniques of scenic construction, scenic engineering, and problem solving related to technical theatre. Each student will be required to participate in practical work on productions outside of lecture.

Prerequisites

THD 140

DEPARTMENT:

Global Languages and Theatre Arts

THD341 - Advanced Theatrical Makeup
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A practical study of advanced makeup for the stage.

Prerequisites

THD 241

DEPARTMENT:

Global Languages and Theatre Arts

THD343 - Theatre History and Literature I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A introduction to global theatre history and literature from ancient times to the 1600s. This course will focus on theatre history as it developed from the context of culture, religion, and politics of different regions and their peoples.

DEPARTMENT:

Global Languages and Theatre Arts

THD344 - Theatre History and Literature II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continued introductory study of global theatre history and literature from the 1600s to the modern era. This course will focus on theatre history as it developed from the context of culture, religion, and politics of different regions and their peoples.

DEPARTMENT:

Global Languages and Theatre Arts

THD346 - Acting Shakespeare
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Advanced study of Shakespeare's work as it relates to acting. Scripts analysis, interpretation, and Shakespeare's scripts in performance will be emphasized.

Prerequisites

THD 120, 310

DEPARTMENT:

Global Languages and Theatre Arts

THD350 - Scene Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Aesthetics of set design as it relates to the stage. Emphasis is placed on principles and theories of design. Practical work on university theatre productions is required.

Prerequisites

THD 250

DEPARTMENT:

Global Languages and Theatre Arts

THD351 - Lighting Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Aesthetics of lighting design as it relates to the stage. Emphasis is placed on principles and theories of design. Practical work on university theatre productions is required.

Prerequisites

THD 250

DEPARTMENT:

Global Languages and Theatre Arts

THD352 - Costume Design
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Aesthetics of costume design as it relates to the stage. Emphasis is placed on principles and theories of design. Practical work on university theatre productions is required.

Prerequisites

THD 250

DEPARTMENT:

Global Languages and Theatre Arts

THD355 - Design and Production for TV and Film
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Aesthetics of design as it relates to the camera. Emphasis is placed on principles, theories and implementation of scenic, lighting, and costume design. Practical work on university theatre productions is required.

Prerequisites

THD 250

DEPARTMENT:

Global Languages and Theatre Arts

THD358 - Sound Design for the Theatre
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

An introduction to the theoretical and practical processes of sound design for the theatre. Recording techniques, design techniques, sound reinforcement and other aspects of sound design for the stage will be discussed. This course is a lecture course. Students will be expected to attend all productions offered by the department each semester the course is taught and will respond to the productions in writing.

Prerequisites

THD 140 and 250

DEPARTMENT:

Global Languages and Theatre Arts

THD360 - Music Theatre Dance II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Study of music theatre dance as it relates specifically to musical theatre in performance.

Prerequisites

MUS 127 and THD 111

DEPARTMENT:

Global Languages and Theatre Arts

THD362 - Jazz Dance II
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Continued study of jazz dance as it relates to THD 262.

Prerequisites

THD 262

DEPARTMENT:

Global Languages and Theatre Arts

THD389 - Musical Theatre Performance I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Cross-Listed Course(s)

Description

A study of principles of musical theatre performance. The course includes acting techniques, and musical preparation, culminating in a student showcase performance.

Prerequisites

THD 111 and MUS 127

DEPARTMENT:

Global Languages and Theatre Arts

THD392 - Professional Theatre Engagement
CREDITS:

1 - 3

COURSE LEVEL:

Undergraduate

Description

Practical engagement course for theatre majors and minors. Each student will work 45 hours on an approved project utilizing skills related to Theatre studies. Graded pass/fail. Course is repeatable for up to six credit hours. A total of two credit hours count towards graduation.

Prerequisites

Junior or senior standing and permission of instructor

DEPARTMENT:

Global Languages and Theatre Arts

THD400 - Special Topics
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Studies in theatre arts or dance topic not offered in the curriculum on a regular rotation. Only one THD 400 course will count towards a theatre major or minor's graduation requirements, but additional hours may be counted as free elective hours.

DEPARTMENT:

Global Languages and Theatre Arts

THD410 - Acting III
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of acting styles for period literature.

Prerequisites

THD 111 and 221

DEPARTMENT:

Global Languages and Theatre Arts

THD422 - Contemporary Theatre
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of contemporary theatre trends, practitioners and literature from 1970 to the present.

DEPARTMENT:

Global Languages and Theatre Arts

THD430 - Directing I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Principles and methods of stage direction, script analysis, and the directing concept as they relate to play production.

Prerequisites

THD 111, 120, and 250

DEPARTMENT:

Global Languages and Theatre Arts

THD465 - Directing II
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

Practical application of principles learned in THD 430.

Prerequisites

THD 430

DEPARTMENT:

Global Languages and Theatre Arts

THD466 - Theatre Literature
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Examination of theatre literature from the ancient times through the contemporary era. Students will be expected to attend the productions offered by the department each semester the course is taught and will respond to the productions in writing.

Prerequisites

THD 120

DEPARTMENT:

Global Languages and Theatre Arts

THD491 - Directed Study in Theatre Arts
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Individual projects of special interest under the direct supervision of a theatre or dance faculty member. May not be repeated for credit.

Prerequisites

Minimum sophomore standing, requires permission of the department chair and instructor.

DEPARTMENT:

Global Languages and Theatre Arts

THD590 - Directed Study
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Individual projects of special interest under the direct supervision of a theatre or dance faculty member. May be repeated once for credit; however, only three credits may be applied toward major.

Prerequisites

Senior standing and consent of the chair of the department

DEPARTMENT:

Global Languages and Theatre Arts

TLE: Teacher Leader

TLE600 - Foundations of Teacher Leadership
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is designed as the beginning core course in the Teacher Leader graduate program. Candidates will examine the concept of teacher leader, its definition and potential influence on the student, school, and community. Candidates will build on their knowledge of diverse backgrounds and perspectives to bolster effective partnerships among colleagues in order to establish a shared focus on the continuous improvement of student learning. Field experiences required.

DEPARTMENT:

Educational Studies, Leadership and Counseling

TLE620 - Educational Improvement through Research
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A course designed to develop capacities in educators regarding the collection, analysis and interpretation of data for decision-making, including the design and implementation of basic action research to explore innovative teaching and learning models that promote student learning. Candidates will explore ways to share the results of their analysis and engage stakeholders as evidence of leadership. Field experiences required.

DEPARTMENT:

Educational Studies, Leadership and Counseling

TLE630 - Teacher Leadership in the Schools and Community
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course is study of families and communities and their relationship to the school program. An analysis of proven collaboration and communication processes and principles and their use in improving strategies to strengthen student achievement. Field experiences required.

Prerequisites

Admission to Teacher Leader graduate program and TLE 620

DEPARTMENT:

Educational Studies, Leadership and Counseling

TLE640 - Teacher Leadership Showcase
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course provides culminating experiences for the Teacher Leadership graduate degree program. Candidates will reflect on their program experiences, document their professional growth as teacher leaders, and present the impact of their leadership on the overall school community based upon their own research and growth. Field experiences required.

Prerequisites

TLE 620

DEPARTMENT:

Educational Studies, Leadership and Counseling

TLE740 - Instructional Improvement and Mentoring

CREDITS:

1 - 3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

ADM740 - Instructional Improvement and Mentoring

Description

The purpose of this course is to develop mentoring strategies appropriate to assist new educators in the transition to teaching and to improve their instructional practice. This course is designed to support teachers and administrators engaged in mentoring, including, but not limited to, student teacher supervision, the Kentucky Principal Internship Program, and the Kentucky Teacher Internship Program. Graded pass/fail. Repeatable up to six hours. (Same as ADM 740.)

DEPARTMENT:

Educational Studies, Leadership and Counseling

TSL: Teaching English to Speakers of Other Languages

TSL330 - Foundations of Teaching Methods and Technology for English Learners

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course provides an in-depth exposure to methodology, activities, and materials integrated with technology appropriate for English learners in preschool through secondary school contexts. This course covers a range of instructional and classroom management techniques appropriate for stand-alone or pull-out ESL/EFL instruction.

Prerequisites

ENG 228 (pre- or corequisite)

DEPARTMENT:

English and Philosophy

TSL331 - Strategies and Materials for Teaching English Learners

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course helps students deepen their knowledge on teaching methods and develop field-specific strategies and skills to design activities and materials appropriate for teaching English learners in preschool through secondary school contexts. The course provides a range of meaningful hands-on materials and activities that students can adopt for their future teaching context.

Prerequisites

ENG 228 (or concurrently enrolled)

DEPARTMENT:

English and Philosophy

TSL409 - Acquisition of Languages in Children and Adolescents

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course examines theories and perspectives on the language acquisition process in children and adolescents. Special emphasis includes a review of language acquisition research in school contexts and an examination of the relationship between various theories of acquisition and instruction.

Prerequisites

ENG 310

DEPARTMENT:

English and Philosophy

TSL410 - ESL Assessment, Placement, and Advocacy

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Students will understand and practice various types of assessment particular to English language learners in the public school context, including administration and interpretation of standardized language proficiency and placement tests, tracking student language progress with respect to curricular standards, and creation of traditional and alternative language assessment instruments. Emphasis is also placed on developing skills to communicate student and family needs and progress to communities both inside and outside the school context.

Prerequisites

TSL 330 or 331

DEPARTMENT:

English and Philosophy

TSL421 - Research in Second Language Learning and Teaching

CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course explores various research topics and methods concerning second language acquisition in multilingual settings. It provides students with useful tools for reaching language learning in school, home, and community and gives them opportunities to examine and reflect on the roles of micro-interactional contexts and macro-social issues in learning a second language. By addressing a variety of language research issues that prove useful to language teaching at various levels and institutions, the course will help students close the gap between theory and practice in the area of language, culture, and education.

Prerequisites

TSL 409

DEPARTMENT:

English and Philosophy

TSL480 - Effective Pedagogy: Differentiation, Assessment, and Advocacy
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Teacher candidates will apply content knowledge, educational philosophies, learning theories, differentiated instruction, classroom management strategies, effective assessment practices, instructional technology, co-teaching strategies, student advocacy, and content-area literacy. Emphasis will be place on roles of teachers, students, parents, school, and community as educational partners. Candidates will design and implement culturally relevant, developmentally-appropriate instruction for all students. This course is paired with a program-specific mega-practicum course.

Prerequisites

EDU 380 or equivalent course with a B or higher; admission to Teacher Education for certification track students

DEPARTMENT:

English and Philosophy

TSL600 - Methods and Materials for Teaching ESL/EFL
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Knowledge derived from the linguistic sciences about the nature of language and how it is learned serves as the basis for the exploration and evaluation of various methods, techniques and approaches to the teaching of English as a second or foreign language. Practicum field experience required.

DEPARTMENT:

English and Philosophy

TSL601 - Methods and Materials for Online Language Teaching
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

- Methods and Materials for Online Language Teaching

Description

This course provides foundational methods for effective online language teaching, which includes the history, teaching methods and approaches, material development, and techniques. This course also contains multiple interaction-oriented, creative activities, and teaching practices designed for the online teaching platform. Practical field experience required.

DEPARTMENT:

English and Philosophy

TSL605 - Writing and the Teaching of ESL/EFL Writing
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Course will explore writing and the acquisition of writing skills in a second/foreign language with specific attention to methods and techniques for teaching writing to all levels of English language learners. Students will apply this knowledge through extensive writing and analysis of writing in order to improve their expertise and understanding of writing approaches. Practicum field experience required.

DEPARTMENT:

English and Philosophy

TSL609 - Foundations of Second Language Acquisition
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An overview of the foundational concepts, theories, and methodology in the field of second language acquisition (SLA) in its historical and analytical aspects, treating issues and topics significant to SLA in depth.

Prerequisites

ENG 310 or 618 or equivalent

DEPARTMENT:

English and Philosophy

TSL610 - Applied Linguistics and Professional Practices
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A specialized application of subareas of applied linguistics with emphasis on the impact of theories of linguistics on ESL/EFL pedagogy and preparing students to be critical consumers of applied linguistics research. Topics of focus include issues in research design and methodology, the ethics of teaching, and skills needed to participate as an active ESL/EFL professional.

Prerequisites

TSL 609

DEPARTMENT:

English and Philosophy

TSL615 - Curriculum Design in Second Language Teaching and Learning

CREDITS:

3

COURSE LEVEL:

Graduate

Description

Building on concepts in TSL 600, the course examines differing viewpoints of the global objectives of language programs and courses.

Prerequisites

TSL 600

DEPARTMENT:

English and Philosophy

TSL620 - Computer Assisted Language Learning

CREDITS:

3

COURSE LEVEL:

Graduate

Description

An introduction to computer assisted language learning (CALL), an overview of its specialized vocabulary, and a review of research regarding its effectiveness. Practicum field experience required.

DEPARTMENT:

English and Philosophy

TSL623 - Testing and Evaluation in Second Language Teaching

CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

-

Description

A review of a number of current methods for classroom/standardized language testing and evaluation. Practicum field experience required.

DEPARTMENT:

English and Philosophy

TSL634 - Language and Culture
CREDITS:

3

COURSE LEVEL:

Graduate

Cross-Listed Course(s)

ENG634 - Language and Culture

Description

A study of the relationship among language, society and the individual's concept of reality. The course examines a variety of ethnographic concepts and findings as they relate to language and language learning in its broadest context. The course will also examine sociolinguistics, the relationship between culture and language, and the implications for second language teaching and the development of intercultural competence. (Same as ENG 634.)

DEPARTMENT:

English and Philosophy

TSL653 - Integrated ESL/EFL Skills Seminar
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An exploration of advanced methods of teaching ESL integrating all language production and reception skills and linguistic structural knowledge within a content/theme-based pedagogical framework, specifically addressing how grammar is incorporated within a multidimensional model of ESL instruction. A field experience is required. Must be taken during the final semester of study in the M.A. in TESOL. Practicum field experience required.

DEPARTMENT:

English and Philosophy

TSL680 - Practicum
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive observation/learning experience in a classroom setting through which students reflect on and begin to apply the skills and methodological approaches learned throughout the program.

Prerequisites

TSL 600

DEPARTMENT:

English and Philosophy

TSL690 - Internship: Teaching Focus
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A supervised teaching position in an educational institution or industry in the United States or abroad which allows the intern to gain experience over a period of at least four weeks. The employer participates in formal evaluation of the intern's performance. Prerequisites: to be taken during the final semester of study in the M.A. in TESOL.

DEPARTMENT:

English and Philosophy

TSL691 - Internship: Research Focus
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A supervised research position, designed for students with prior or current teaching experience, that allows the intern to gain experience in advanced research skills. May receive an R if work needs to be continued for ONE additional semester.

Prerequisites

Must have teaching experience; TSL 610; approval by the TESOL Committee based on a superior score of the TSL 610 final project and research proposal, using an external rubric; and recommendation of TSL 610 professor

DEPARTMENT:

English and Philosophy

TSL692 - Internship: Materials Design Focus
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A supervised project developed position designed for students with prior or current teaching experience, that allows the intern to gain experience in the development of course material worthy of possible publication. May receive an R grade if work needs to be continued for one additional semester.

Prerequisites

Must have teaching experience; TSL 615; approval by the TESOL Committee based on a superior score of the TSL 615 final project and materials proposal, using an external rubric; and recommendation of TSL 615 professor

DEPARTMENT:

English and Philosophy

TSL695 - Special Topics
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An intensive examination of issues and theories in the study and/or teaching of English as a second or foreign language. May be repeated for credit.

DEPARTMENT:

English and Philosophy

TSM: Telecommunications Systems Management

TSM319 - Fault Analysis Electronic Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

N/A

DEPARTMENT:

Computer Science and Information Systems

TSM321 - Wireless Communications I
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to wireless cellular communications fundamentals including coverage and traffic analysis, as well as an overview of mobile communication networks components.

Prerequisites

CNM 320

DEPARTMENT:

Computer Science and Information Systems

TSM602 - Telecommunications Systems
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A graduate level introduction to modern telecommunication systems. This course presents systems oriented approaches for rapid and reliable communication over extended distances. Topics include: local area network topology, structure, and operating systems; backbone architectures; wide area networks; telephony; the Internet; security and privacy issues. Throughout the presentation of telecommunications hardware and software systems, discussion will focus on relevant management issues such as cost, efficiency, and business models.

Prerequisites

CYS 601

DEPARTMENT:

Computer Science and Information Systems

TSM607 - Advanced Telecommunications Project Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

A project management course in which students study the processes that result in identification, qualification and selection of telecommunications projects. Projects that generally modify existing telecommunications infrastructure or incorporate an entirely new infrastructure. Students will study the differences in these processes when their client is internal or external. Students will study the processes from preparing proposals through contract negotiations to get projects initiated.

Prerequisites

CYS 603

DEPARTMENT:

Computer Science and Information Systems

TSM610 - Telecommunication Networks Management
CREDITS:

3

COURSE LEVEL:

Graduate

Description

An overview of fundamentals of daily telecommunication design, operations, management, and a survey of technologies and applications of telecommunications systems.

Prerequisites

CYS 601

Corequisites

TSM 602

DEPARTMENT:

Computer Science and Information Systems

TSM617 - Advanced Systems Planning
CREDITS:

3

COURSE LEVEL:

Graduate

Description

The primary focus of the course is to understand the development of a systematic planning cycle for implementing and maintaining an organization's Information Technology (IT)/Information Systems (IS). Specifically to understand the complex but direct relationship between "business planning" commonly called the "Corporate Strategic Plan (CSP)" and "systems planning" also called "Information System Plan (ISP)". Students will explore the theory and practice of IS planning through case study analysis. Students will understand how IT/IS projects and the planning involved in the projects implement the ISP.

Prerequisites

CIS 317

DEPARTMENT:

Computer Science and Information Systems

TSM671 - Problems in TSM
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Individual study and research pertaining to special problems in telecommunications system management.

DEPARTMENT:

Computer Science and Information Systems

TTE: Technology Teacher Education

TTE451 - Manufacturing Systems
CREDITS:

4

COURSE LEVEL:

Undergraduate

Description

A study of the practices used in the manufacturing industry. Emphasis is placed on the theory and processes used to convert the needs and wants of consumers into distributed products. Technical aspects of materials, processes, equipment, products and occupations relating to the manufacturing industry will be explored. Problem-solving, research and experimentation will be used to establish an enterprise to select, design, test, mass produce, market and service products. Recycling and the impacts on and relationship to societal institutions, the environment and the individual are introduced and explored. Lecture and laboratory.

Prerequisites

EGD 101 and 120, upper division standing

DEPARTMENT:

Institute of Engineering

TTE452 - Communications Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introduction to the systems and techniques used to transfer and/or process ideas, knowledge and information. Problem-solving, research and experimentation will be used to experience encoding, transmitting, decoding, storing, retrieving and using information. Students will develop technical expertise in the design, construction, analysis and evaluation of the components, devices and subsystems of communication systems. The impacts on and relationship to societal institutions, the environment and the individual are introduced and explored. Lecture and laboratory.

Prerequisites

EGD 101 and upper division standing

DEPARTMENT:

Institute of Engineering

TTE453 - Transportation Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A study of systems used to move goods and transport people. Students will research, experiment and solve problems related to the design, development, evaluation and operation of subsystems and components of terrestrial, marine, atmospheric and space transportation as well as the transformation and transportation/transmission of energy to support those transportation systems. Students will select, design, construct, analyze and evaluate solutions to transportation problems. The impacts on and relationship to societal institutions, the environment and the individual are introduced and explored.

Prerequisites

Upper division standing

DEPARTMENT:

Institute of Engineering

TTE455 - Exploring Diverse Technological Systems
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course provides an overview of diverse technological systems. It explores technological aspects of how technology is designed, and used to meet the wants and needs of individuals and society. The problem-solving and design processes are examined in the context of production, communication and transportation systems. Emphasis is placed on teaching technical content and using the systems approach to develop technical understanding, rudimentary technical skills and problem solving expertise in the technology education classroom/laboratory setting.

DEPARTMENT:

Institute of Engineering

TTE472 - Facility Planning, Operation and Maintenance
CREDITS:

2

COURSE LEVEL:

Undergraduate

Description

A study of the methods and procedures used in planning, utilizing, equipping, operating, maintaining and evaluating technology education classroom and laboratory facilities. Exploration of the laboratory management skills and techniques (including safety, inventory, record-keeping, requisitioning equipment and materials, maintenance and budgeting) necessary to develop, maintain and improve an educational environment which accommodates the instructional process in the technology education classroom. Lecture and laboratory.

DEPARTMENT:

Institute of Engineering

TTE554 - Teaching in the Modular and Systems Environment
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

This course is designed to be the capstone course for pre-service technology education teachers. Emphasis is placed on teaching technical content using both the systems and modular approaches to develop technical understanding, rudimentary technical skills and problem solving expertise in the technology education classroom/laboratory setting.

DEPARTMENT:

Institute of Engineering

UAS: Unmanned Aerial Systems

UAS110 - Introduction to Aviation
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Introductory course in the fundamentals of aviation. Knowledge and skills will be acquired through classroom, simulations, and hands-on flight activities, including launch and landing operations, emergency procedures, mission planning, execution, and ethics. Satisfactory completion of the course with FAA examination fulfills requirements for FAA Small UAV Certification. Field trip to local airport and off-campus sites for drone piloting expected.

DEPARTMENT:

Agricultural Science

UAS310 - Introduction to Unmanned Aerial Systems Applications
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

A survey course to introduce the student to the history of Unmanned Aerial Systems (UAS) and their current and future development for use in society. Focus areas include case studies in the practicality, safety, and ethics of applications in agriculture, engineering, mapping, disaster and emergency preparedness, environmental research, law enforcement, and business. Field trips to local businesses that use drone technology will be required.

DEPARTMENT:

Agricultural Science

UAS410 - Unmanned Aerial Systems Sensors and Data Display
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course presents the theory and applications of common sensors used by the operators of unmanned aircraft systems. Theory is combined with operational scenarios to provide the student with the ability to match specific sensors with anticipated missions. It includes introduction to commonly used commercial software packages for data interpretation and mapping.

DEPARTMENT:

Agricultural Science

UAS480 - Experiential Learning in Unmanned Aerial Systems Technology
CREDITS:

3

COURSE LEVEL:

Undergraduate

Description

Course requires the student to complete a practical project with real-world application to an area of Unmanned Aerial Systems (UAS) technology. The student will work with a mentor in the university, commercial, municipal, or agency setting to determine the parameters of study for the problem. The student will use UAS techniques to acquire data for the mentor and interpret the results of that data in support of the learning outcomes. Field experiences in UAS flights for data acquisition as appropriate to the problem selected are expected.

DEPARTMENT:

Agricultural Science

WSC: Watershed Science

WSC601 - Seminar in Sustainability Studies
CREDITS:

2

COURSE LEVEL:

Graduate

Description

An exploration of environmental problems caused by humans and the solutions to those problems, including human population growth, over-exploitation of natural resources, habitat destruction and extinction. The scientific basis and ethical issues surrounding these problems will be discussed. The course will also explore the potential for humans to live in a sustainable fashion on the planet, with an emphasis on social responsibility and civic engagement.

DEPARTMENT:

Biological Sciences

WSC690 - Seminar
CREDITS:

1

COURSE LEVEL:

Graduate

Description

Graduate students who anticipate completing the thesis must register for Seminar and defend their research before the college faculty and fellow graduate students.

DEPARTMENT:

Biological Sciences

WSC693 - Sustainability Practicum I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

Students will work with a faculty mentor to design a capstone project that will focus on sustainability solutions. The project can be broadly defined to include everything from local approaches to improve recycling on campus to research on global climate change, and will be designed in consultation with the faculty mentor.

Prerequisites

Permission of the sustainability science graduate coordinator

DEPARTMENT:

Biological Sciences

WSC694 - Sustainability Practicum II
CREDITS:

4

COURSE LEVEL:

Graduate

Description

Course will provide the opportunity for students to complete their capstone project, started during WSC 693, as part of their Sustainability Science M.S. degree. Students continue work on their project, give an oral presentation of their work at a Sustainability Science symposium, and complete a written report.

Prerequisites

Successful completion of WSC 693

DEPARTMENT:

Biological Sciences

WSC698 - Thesis I
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Biological Sciences

WSC699 - Thesis II
CREDITS:

3

COURSE LEVEL:

Graduate

Description

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DEPARTMENT:

Biological Sciences

Policies

Family Educational Rights and Privacy Act (FERPA) Policy

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These records include:
1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access. Students should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed. The release of such information is at the discretion of the registrar.

2.The right to request the amendment of the student's education records that are believed to be inaccurate or misleading. The student should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for an amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing. See the section on *General Student Complaint Procedure and Request to Amend an Educational Record* in *Policies* section.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

The University discloses education records without the student's prior written consent under FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); the University attorney; appropriate community safety and emergency personnel to whom information regarding students is to be provided pursuant to KRS 164.9495; a contractor, consultant, volunteer, or other person or entity to which the University has outsourced institutional services or functions, and who is limited as to use, maintenance, and re-disclosure of information; a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Regents; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

In addition to the above listing, the following groups are specifically recognized as

“school officials” within the definition of FERPA for the limited purpose of receiving at any time listings of names and addresses of students, including incoming students, and/or student directory information: MSU Alumni Association; Murray State University Foundation, Inc; a person or company who performs a service for MSU that serves a legitimate educational interest; authorized representatives of federal or state-supported education programs if disclosure is in connection with an audit or evaluation of supported programs or for the enforcement of or compliance with legal requirements that relate to those programs.

A school official has a legitimate educational interest if the official needs to review or receive any education record in order to fulfill his or her professional responsibility or if the service to or for MSU is of a type that MSU would normally perform itself including one which Murray State has outsourced.

As of January 3, 2012, the U.S. Department of Education’s FERPA regulations expand the circumstances under which your education records and personally identifiable information (PII) contained in such records — including your Social Security Number, grades, or other private information — may be accessed without your consent. First, the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or state and local education authorities (“Federal and State Authorities”) may allow access to your records and PII without your consent to any third party designated by a Federal or State Authority to evaluate a federal- or state-supported education program. The evaluation may relate to any program that is “principally engaged in the provision of education,” such as early childhood education and job training, as well as any program that is administered by an education agency or institution. Second, Federal and State Authorities may allow access to your education records and PII without your consent to researchers performing certain types of studies, in certain cases even when we object to or do not request such research. Federal and State Authorities must obtain certain use-restriction and data security promises from the entities that they authorize to receive your PII, but the Authorities need not maintain direct control over such entities. In addition, in connection with Statewide Longitudinal Data Systems, State Authorities may collect, compile, permanently retain, and share without your consent PII from your education records, and they may track your participation in education and other programs by linking such PII to other personal information about you that they obtain from other Federal or State data sources, including workforce development, unemployment insurance, child welfare, juvenile justice, military service, and migrant student records systems.

FERPA allows the institution to routinely release information defined as “directory information.” The following student information is included in the definition of directory information: the student’s name, addresses, telephone listings, campus e-mail address, date and place of birth, field(s) of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, enrollment status (including full-time, part-time, not enrolled), degrees (pending and received), awards or honors received, the most recent previous educational institution attended, and student's photograph. When a student wants the directory information to remain confidential, an official request form must be completed in the Office of the Registrar. That request remains in force

until such a time as a formal written statement is received from the student rescinding that request.

Murray State will release directory information to school officials or others with a legitimate educational interest.

4. The right to file a complaint with the Family Compliance Office of the United States Department of Education concerning an alleged failure by Murray State University to comply with the provisions of FERPA.
a) The complaint must contain specific allegations of fact giving reasonable cause to believe that a FERPA violation has occurred. A complaint does not have to allege that a violation is based on a policy or practice at MSU.
b) To be timely, a complaint should be submitted to the Family Compliance Office within 180 days of the date of an alleged violation. The Family Compliance Office may extend the time limit for good cause shown.
c) The complaint may be filed at: Family Compliance Office, U.S. Department of Education, 400 Maryland Ave, S.W., Washington D.C., 20202.

Students may choose to release non-directory (confidential) information to certain individuals by completing the *Consent to Release Student Information* process on their *myGate*. Non-directory information cannot be released via phone or email to anyone, including the student, without consent on *myGate*. A photo ID is required to release non-directory information to the student in person.

General Student Complaint Procedure and Request to Amend an Educational Record

Murray State University recognizes that there are times in which a student might have a grievance with University staff or faculty that does not fit the scope of other formal complaint/grievance policies or procedures. The following procedure provides a formal avenue for the resolution of a student complaint in the event that such differences cannot be resolved informally, including any student who desires to amend an educational record.

Definitions.
Complainant: one who has a grievance or complaint within the scope of this procedure.
Respondent: one against whom a grievance is asserted.
Days: Calendar days.
Faculty: all persons, whether full or part-time, who are responsible for, assist in, or administer the instructional program. (See Sec. 2.1 of the Faculty Handbook for a complete definition.)
Staff: employees of Murray State University in non-teaching activities of various types in support of the educational, research, and service programs of the University. (See Sec. II.A of the MSU Personnel Policies and Procedures Manual for a complete definition.)

Grievance: an allegation by a student of improper treatment of that student or of violation, misinterpretation, or improper application of existing policies, rules, regulations, practices, and/or procedures which the student believes to be unfair, inequitable, or a hindrance to that student's effective performance. The term "grievance" shall also include an allegation by a student that the student's educational record(s) contain information which is inaccurate, misleading or in violation of the student's rights of privacy, hereinafter referred to as a "Records Challenge". In regards to a Records Challenge, the student shall request in the grievance that said records be amended.

Disputes which are addressed in University, College, and Departmental policies or procedures should be resolved under those provisions and will not be considered under these procedures. For instance, disputes related to grades are addressed by the Grade Appeals Policy, allegations of discrimination against a University employee are addressed by the University policy, "Reporting Allegations of Discrimination and Discrimination Grievance Procedures," and grievances related to student employment are handled through the Student Employment Grievance Procedures published in the Student Employment Handbook. Disputes between students should be directed to the Associate Vice President of Student Affairs.

Submitting Documents. Any complaint, response, appeal, notice, or other document which is to be submitted in writing by a party must be submitted to the employee designated and must be submitted by hand-delivery or U.S. mail. No such document should be submitted electronically by, for example, email. Any such document will be deemed timely if it is postmarked within the time period for submitting the document.

Limitations. A written grievance (other than a Records Challenge) as provided in Step 3 must be initiated within forty-five (45) days of the most recent alleged incident giving rise to the grievance. Any special circumstances or request involving the time limitation set forth above will be considered and evaluated by the appropriate Academic Dean in the case of a faculty or staff respondent employed in Academic Affairs, or Director in the case of a grievance filed against a staff member employed in a non-Academic Affairs unit. In the event of a Records Challenge, same may be filed at any time.

Procedures.

Step 1. Before a formal grievance may be filed, the Complainant must discuss the grievance with the member of the faculty or staff with whom the dispute exists. In the event that the Respondent is a teaching assistant, the faculty supervisor should also be present during these discussions. In the event of a Records Challenge, the Complainant must discuss the grievance with the person who maintains custody of the record(s) challenged as being inaccurate, misleading or a violation of the student's rights of privacy. A decision regarding the informal grievance must be made within 3 days of the meeting and any agreement reached between the parties will be reduced to writing.

Step 2. Should the matter not be resolved to the satisfaction of the Complainant, and within 5 days of completion of Step 1, informal discussion should be sought with the Respondent's supervisor. A decision regarding the grievance must be made within 3 days of the meeting and any agreement reached between the parties will be reduced to writing.

In the event the Respondent's supervisor is the Dean or Director of the area in which the Respondent is employed, the Complainant should proceed to Step 3.

Step 3. Once the means of informal resolution on the collegiate/unit level as described above have been exhausted, and within the time stated above under Limitations, the Complainant must provide his/her complaint in writing to the Academic Dean (in case of a faculty or staff respondent employed in Academic Affairs) or to the unit Director (in the case of a staff respondent who is not employed in Academic Affairs). The written statement shall (1) state the nature of the complaint and date of occurrence(s), (2) state how the Complainant has been affected, (3) state which University policies are involved (if applicable), (4) state how the Respondent is involved in the grievance, (5) state the facts upon which the complaint is based. If the complaint involves a Records Challenge, the Complainant shall state specifically which records are of concern and specify what information contained in the records is believed to be inaccurate, misleading or a violation of the student's privacy rights, and (6) state the relief requested by the Complainant and if a Records Challenge, state specifically in what manner the Complainant desires the record(s) to be amended.

Step 4. The Academic Dean or Director will immediately forward a copy of the complaint to the Respondent. The Respondent may submit a written response to the Dean or Director within 7 days from the time the complaint is hand-delivered or 10 days from the date the complaint is mailed to the Respondent. A copy of any response from the Respondent will be provided to the Complainant.

Step 5. The Academic Dean or Director will proceed with the review of the complaint. The Academic Dean or Director will conduct such review as is believed is warranted. The Dean/Director may determine that the complaint can be decided based upon the written documents provided by the parties. The Dean/Director may determine additional proceedings are warranted. This may include meeting with the Complainant and the Respondent to gather additional facts and information about the allegations in the complaint. At any such meeting, the parties may be allowed to present other documents and individuals who may have relevant information. If the parties are able to reach an agreement regarding the grievance, the agreement will be reduced to writing.

The parties will be kept informed as to the progress of the review and will be advised of, and given the chance to respond to, any new information.

Once the review is finished, a report will be prepared by the Academic Dean or Director and distributed to the Complainant and Respondent. The report will review the allegations in the complaint and any response and the factual findings from the review. The report will be based on assertions and allegations to which the parties have had the opportunity to respond. The report will also state the Dean/Director's conclusions as to whether the complaint is valid. If the complaint is supported, the Dean/Director will determine the relief, if any, to be provided to the Complainant. In the event of a Records Challenge, should the report determine that the student's record(s) should not be amended, the report shall include information in regard to the student's right to a hearing.

Step 6. If the report of the Dean or Director is unsatisfactory to either party, that party may appeal to the Vice President of the area in which the Respondent is employed. That party will have seven days from the time the report is hand-delivered or 10 days from the date the report is mailed to submit an appeal.

The appeal will be instituted by the appealing party's presenting to the Vice President a detailed written statement of the grounds for appeal; the party appealing will also provide the Vice President with a copy of the decision from the Dean/Director. In the event of a Records Challenge, the student may request a hearing in accordance with 34 C.F.R. §99.20-§99.21 which shall be granted. In such event, the hearing shall be scheduled within thirty (30) days of the request and the student shall be provided with written notification of the date, time and place no later than fourteen (14) calendar days prior to the scheduled hearing date. A copy of the written statement will be provided to the other party who will have 7 days from the time the report is hand-delivered or 10 days from the date the report is mailed to submit a response to the Vice President. The Vice President will provide a copy of any response to the party filing the appeal.

The Vice President will review the appeal. If the appeal does not involve a Records Challenge, the Vice President may determine from the statement of appeal and response that the appeal can be decided based upon the previous decision and the documents from the parties. In that case, the Vice President will review the decision and the arguments presented and will submit a decision with supporting reasons to the parties and the Dean/Director. If the Vice President believes that additional proceedings are warranted in order to consider the appeal fully, or in the event that a hearing has been requested in connection with a Records Challenge, he/she will develop rules or procedures consistent with this policy which shall be provided to the Complainant and Respondent no later than fourteen (14) days prior to the scheduled proceeding/hearing.

The final decision in all such appeals will be made by the Vice President. If the complaint is supported the Vice President will determine the relief, if any, to be provided to the Complainant. The decision of the Vice President shall be made within twenty (20) days of the last date of submission or, if applicable, the hearing. The

decision shall be based solely on the evidence presented and shall include a summary of the evidence and the reasons for his/her decision.

In the event of a Records Challenge, the Vice President shall conduct a hearing within thirty (30) days of the date the request for a hearing is received by the Vice President. Written notice of the hearing, including the date, time and place, shall be provided to the student and the Respondent at least fourteen (14) days prior to the scheduled hearing. The student shall also be notified of the right to be represented at the hearing by one or more individuals (at the student's expense) including representation by an attorney. The Vice President shall render a decision within twenty (20) days of the hearing. Same shall be in writing with copies provided to the student and the Respondent. The decision shall be based solely on the evidence presented and shall include a summary of the evidence and the reasons for the decision.

In the event of a hearing on a Records Challenge, if it is determined that the information contained in the student's educational record is inaccurate, misleading or in violation of the privacy rights of the student, the record(s) in question shall be ordered to be amended accordingly and the student shall be notified of same in writing. If, as a result of the hearing in a Records Challenge it is determined that the information contained in the educational record is not inaccurate, misleading or in violation of the privacy rights of the student, the student shall be notified of same in writing along with information advising the student that he/she has the right to place a statement in the record commenting on the contested information in the record or stating why the student disagrees with the decision. In such event, the statement by the student shall be maintained with the contested record(s) for as long as the record(s) are maintained and shall be disclosed whenever the portion of the student's record(s) to which the statement relates is disclosed.

General. In the event the applicable Dean or Director is the Respondent, the Complainant should notify the applicable Vice President at the completion of Step 1 and the Vice President will appoint an individual to fulfill the functions of that Dean/Director under these procedures. The matter will then proceed to Step 3.

In the event the applicable Vice President is the Respondent, the Complainant will notify the Office of the President after Step 1. The President will appoint individuals to perform the function of both the Dean/Director and Vice President. The matter will then proceed to Step 3.

In the event the Respondent is employed in an area which is not overseen by a Vice President, the President, upon written notice from the Complainant, will appoint an individual who will perform the duties and functions of a Vice President with respect to the complaint.

The parties may have an advisor, including an attorney. Advisors will not participate

in any reviews or meetings. Exception: In the event of a hearing for a Records Challenge, the student at his/her own expense may be represented by one or more individuals of his or her own choice, including an attorney. Any person representing a student in a Records Challenge may fully participate on behalf of the student in the Records Challenge hearing.

University employees involved in each step recited above will maintain records of each grievance received and provide them, upon request, to an appropriate University office.

University employees are expected to cooperate with reviews by the Dean/Director/Vice President. All relevant information not privileged will be available to the Dean/Director/Vice President.

It is the purpose of these procedures to address grievances of students as provided here. These procedures are not intended to be used as a disciplinary mechanism against Complainants or Respondents.

It is the intent of these procedures that grievances be resolved as expeditiously as possible.

NOTE: If at any point in this process, it is determined that the grievance is covered by any other University policy or procedure, then such other policy or procedure will be followed.

Non-Discrimination Statement

Murray State University endorses the intent of all federal and state laws created to prohibit discrimination. Murray State University does not discriminate on the basis of race, color, national origin, sex, gender identity, sexual orientation, religion, age, veteran status, or disability in employment or application for employment, admissions, or the provision of services and provides, upon request, reasonable accommodation including auxiliary aids and services necessary to afford individuals with disabilities equal access to participate in all programs and activities.

In particular and without limiting the preceding and pursuant to and consistent with the requirements of Title VI of the Civil Rights Act of 1964 and its regulations 34 CFR 100 et seq.; Section 504 of the Rehabilitation Act of 1973 and its regulations 34 CFR 104; Title IX of the Education Amendments of 1972, 20 USC 1681 et seq., and its regulations 34 CFR 106 et seq; and the Age Discrimination Act of 1975 and its regulations 34 CFR 110, Murray State University does not discriminate on the basis of race, color, national origin, sex, handicap, or age in its educational programs and activities. This non-discrimination in education programs and activities extends to employment and admissions and to recruitment, financial aid, academic programs, student services, athletics, and housing. Murray State is required by Title IX and 34 CFR part 106 not to discriminate on the basis of sex and the prohibition against sex discrimination specifically includes a prohibition of sexual harassment and sexual violence. Examples of prohibited sexual harassment and sexual violence can be found in the “Policy Prohibiting Sexual Harassment” which can be accessed via the link referenced in Appendix I.

Inquiries concerning the application of these provisions may be referred to: 1) the Executive Director of Institutional Diversity, Equity, and Access/Murray State University Title IX Coordinator, Murray State University, 103 Wells Hall, Murray, KY 42071 Telephone: (270) 809-3155 Fax: (270) 809-6887; TTD: (270) 809-3361; Email: msu.titleix@murraystate.edu; or 2) to the Assistant Secretary of the United States Department of Education, U.S. Department of Education, Office for Civil Rights, 400 Maryland Avenue, SW, Washington, D.C., 20202-1100;

Telephone: 1-800-421-3481 Fax: 202-453-6012; TTD: 1-800-877-8339; Email: OCR@ed.gov.

Policy on Academic Honesty

Murray State University takes seriously its moral and educational obligation to maintain high standards of academic honesty and ethical behavior. Instructors are expected to evaluate students' academic achievements accurately, as well as ascertain that work submitted by students is authentic and the result of their own efforts, and consistent with established academic standards. Students are obligated to respect and abide by the basic standards of personal and professional integrity.

Violations of Academic Honesty include:
•**Cheating** - Intentionally using or attempting to use unauthorized information such as books, notes, study aids, or other electronic, online, or digital devices in any academic exercise; as well as unauthorized communication of information by any means to or from others during any academic exercise.
•**Fabrication and Falsification** - Intentional alteration or invention of any information or citation in an academic exercise. Falsification involves changing information whereas fabrication involves inventing or counterfeiting information.
•**Multiple Submission** - The submission of substantial portions of the same academic work, including oral reports, for credit more than once without authorization from the instructor.
•Plagiarism - Intentionally or knowingly representing the words, ideas, creative work, or data of someone else as one's own in any academic exercise, without due and proper acknowledgment.

Instructors should outline their expectations that may go beyond the scope of this policy at the beginning of each course and identify such expectations and restrictions in the course syllabus. When an instructor receives evidence, either directly or indirectly, of academic dishonesty, he or she should investigate the instance. The faculty member should then take appropriate disciplinary action.

Disciplinary action may include, but is not limited to the following:
1. Requiring the student(s) to repeat the exercise or do additional related exercise(s).
2. Lowering the grade or failing the student(s) on the particular exercise(s) involved.
3. Lowering the grade or failing the student(s) in the course.

If the disciplinary action results in the awarding of a grade of E in the course, the student(s) may not drop the course.

Faculty reserve the right to invalidate any exercise or other evaluative measures if substantial evidence exists that the integrity of the exercise has been compromised. Faculty also reserve the right to document in the course syllabi further academic honesty policy elements related to the individual disciplines.

A student may appeal the decision of the faculty member with the department chair in writing within five working days. Note: If, at any point in this process, the student alleges that actions have taken place that may be in violation of the Murray State University Non-Discrimination Statement, this process must be suspended and the matter be directed to the Office of Institutional Diversity, Equity and Access. Any appeal will be forwarded to the appropriate university committee as determined by the Provost. *(Revisions adopted by Board of Regents, June 2012.)*

Policy on Attendance

Students are expected to attend all classes in which they are enrolled for credit or audit purposes. An instructor may establish attendance policies for each class so long as they: (1) are clearly published in the course syllabus, (2) distinguish between excused and unexcused absences and (3) are consistent with university policies as outlined in this Bulletin.

Excused absences fall into two broad categories:

1. Absence due to personal illness or death in the immediate family or other extraordinary personal circumstance. Faculty may require appropriate authentication or documentation.
2. Absence due to student participation in a University Sanctioned Event in which the student serves as a representative of the institution.

University Sanctioned Events shall include those officially scheduled activities (practice and training sessions NOT included) related to intercollegiate athletics, performing groups, teams who represent the university in debate, forensics or other academic competitions, and absences occurring when a student is out of the country for a study abroad experience. Other activities and events may be added to this listing upon recommendation of the Sanctioned Events Committee and approval by the Provost. This committee shall consist of the Vice President for Student Affairs, the Director of Athletics, the Faculty Senate President, a student appointed by the President of the Student Government Association, and the Provost or his designee. The official list of approved, sanctioned activities and events shall be maintained in the Office of the Provost.

Attendance and participation in class activities are essential to success in college. Absences, for whatever purposes, can potentially undermine the shared goal of student learning. In cases where student absences are clearly unavoidable, it is essential that students and faculty alike approach the resolution of the difficulty with a clear commitment to the mutual goal of student learning.

Responsibilities of Students: Students missing class(es) as a result of activities covered above shall notify the instructor in writing at the beginning of the semester and, in the case of scheduled events, this notification shall not be less than one week prior to the absence. Students with excused absences are excused from class attendance but are not excused from work assigned or expected as a part of that class period. Students, in conjunction with each course instructor, are required to develop a plan for alternative assignments or the make-up of all work missed and must complete this work within a time frame mutually agreed upon with the instructor.

Responsibilities of Faculty: Faculty are expected to plan with students who have excused absences to develop alternatives and make-up assignments. Such alternatives are not expected to diminish faculty expectations of students, nor may they reduce opportunities for students to demonstrate performance.

Responsibilities of Others: Deans and department chairs share the responsibility for ensuring proper orientation of all full and part-time faculty regarding the provisions of this policy. Administrators, sponsors and coaches of various student activities share an important role in ensuring that students understand their responsibilities with respect to this aspect of student performance. Specific guidelines and procedures should be developed for each sport or activity to ensure timely communication between students and faculty. Advance lists of varsity/participating students along with schedules of away or off-campus activities or matches should be provided to students so that they, in turn, can share this information with faculty at the beginning of the semester.

Questions and Appeals: In the event of questions or concerns regarding the implementation of this policy in specific classroom situations, students and faculty should be guided by the following:
1. If there is a question regarding whether a specific activity is an officially sanctioned event for which terms of this policy might apply, the inquiry should be addressed to the Office of the Provost.
2. In the event a student is concerned with the implementation of this policy in a specific course, the student should try to resolve the matter by discussing it first with the instructor, then with the department chair, and if resolution is still not reached, then with the collegiate dean. If the matter is not settled through this process, the student may seek resolution through the appropriate collegiate grievance/appeal process.
3. Instances of student abuse or violation of the terms of this policy should be reported to the dean or director responsible for the sanctioned event and to the Vice President for Student Affairs.

For absences directly related to military service or veterans affairs, see the Registration and Academic Records chapter.

Policy on Hazing

Murray State University recognizes that student organizations exist for the purpose of extending opportunities for education, social interaction, leadership and skill development, and personal growth beyond the classroom. Therefore, the practice of hazing pledges, associate members, initiates or members is antithetical to the purposes of registered student organizations at Murray State University and is strictly prohibited by the university. Furthermore, as of July 1986, hazing is a violation of Chap. 164 of Kentucky Revised Statutes. In pertinent part, the statute reads as follows:

"(This statute) prohibits any action or situation which recklessly or intentionally endangers mental or physical health or involves the forced consumption of liquor or drugs for the purpose of initiation or affiliation with any organization. . . . In the case of a student or faculty violator, (violation of this statute shall result in) his suspension, expulsion, or other appropriate disciplinary action and, in the case of an organization which authorizes such conduct, (violation shall result in) recision of permission for that organization to operate on campus property. Such penalties shall be in addition to any penalty pursuant to the penal law or any other Chap. (of Kentucky Revised Statutes) to which a violator or organization may be subject."

Specifically, on the campus of Murray State University, hazing is defined as any on-campus or off-campus activity which results in mental or physical harassment, humiliation, degradation, ridicule, shock, endangerment, physical disfigurement, excessive fatigue, danger to health, or the involuntary consumption of alcohol or drugs.

This prohibition against hazing applies equally to student organizations, individual students, faculty, and staff members, visitors to the campus, and licensees and invitees on the campus.

Any student who participates in hazing as defined above has violated the Murray State University Code of Conduct and will be subject to disciplinary action as described in the Standards in Disciplinary Proceedings of the Student Life Policies. Any organization which authorizes or permits hazing to occur has violated the policy statement on Regulation of Student Groups and will be subject to group disciplinary action as outlined in that policy.

Policy on Intolerance

The university is committed to creating an educational environment which is free from intolerance directed toward individuals or groups and strives to create and maintain an environment that fosters respect for others. As an educational institution, the university has a mandate to address problems of a society deeply ingrained with bias and prejudice. Toward that end, the university provides educational programs and activities to create an environment in which diversity and understanding of other cultures are valued.

A. Intolerance refers to an attitude, feeling or belief wherein an individual shows contempt for other individuals or groups based on characteristics such as race, color, national origin, gender, sexual orientation or political or religious belief.

B. Actions motivated by intolerance violate the principles upon which American society is built and serve to destroy the fabric of the society we share. Such actions do untold and unjust harm to those who experience this kind of discrimination and threaten the reputation of the university.

C. The expression of diverse views and opinions is encouraged in the university community. Further, the First Amendment of the United States Constitution assures the right of free expression. In a community which recognizes the rights of its members to hold divergent views and to express those views, sometimes ideas are expressed which are contrary to university values and objectives. Nevertheless, the university cannot impose disciplinary sanctions upon such expression when it is otherwise in compliance with university regulations.

D. When any violation of a university policy, rule or regulation is motivated by intolerance toward an individual or group based on characteristics such as race, color, national origin, gender, sexual orientation, or political or religious beliefs, the sanction will be increased in severity and may include separation from the university.

Policy on Sexual Harassment

Commitment. Murray State University is committed to maintaining an environment free from unlawful discrimination. Consistent with this, sexual harassment will not be tolerated at Murray State University. The University will continue to educate the campus with respect to sexual harassment and will continue to provide avenues for redress when issues arise. However, it is the responsibility of all Students, Faculty, Staff, and Regents to avoid sexually harassing behaviors.

Definitions. Sexual harassment is a form of gender discrimination which violates state and federal law and University policy. Students and employees can be the victims, or perpetrators, of sexual harassment. Whether actions constitute sexual harassment depends upon the particular facts surrounding, and law applicable to, the situation in question. However, in general, sexual harassment may be present if there are unwelcome sexual advances, requests for sexual favors, or other verbal or physical conduct of a sexual nature and:
1. submission to such conduct is made explicitly or implicitly a term or condition of an individual's employment or participation or performance in any course, program, or activity;
2. submission to or rejection of such conduct by an individual is used as a basis for making decisions with respect to the individual's employment or participation or performance in any course, program, or activity; or
3. such conduct has the purpose or effect of unreasonably interfering with an individual's work performance or participation or performance in a course, program, or activity, or creates an intimidating, hostile, or offensive environment for work or any course, program, or activity.

Sexual harassment can occur in different relationships including that of supervisor-employee, teacher-student, and student-student. Purely voluntary personal or social relationship without any of the discriminatory effects noted above may not be sexually harassing behavior. However, Regents, administrators, faculty, and staff are strongly urged to avoid relationships of an amorous or intimate nature with individuals, such as subordinates or students, whom they supervise, have an instructional responsibility for, or have or may have the responsibility to evaluate. The existence of a power differential between the parties naturally raises the question whether the relationship is, in fact, voluntary.

Victims of sexual harassment are primarily, but not exclusively, women. Sexual harassment occurs primarily, but not exclusively, between members of opposite sexes.

Sexual harassment takes many forms. It can include sexual innuendo, suggestive or demeaning comments, insults, hostile remarks, humor and jokes about gender or gender-specific traits, requests or demands for sexual favors, threats, or suggestive gestures. It can also include touching, pinching, brushing the body, assault, or coerced or nonconsensual sexual intercourse.

Reporting Sexually Harassing Behavior. Murray State University encourages every member of the University community who believes he or she has been the victim of sexual harassment to report the allegations as soon as possible. Time limitations apply to the reporting of claims and the chance for remedial action may be lost by delay.

The University has formal and informal processes for resolving claims of sexual harassment. Victims of sexual harassment are encouraged to report their allegations even if they do not wish to utilize these processes. Claims of sexual harassment should be made to the following offices:
1. Claims by employees against other employees including their supervisors, and claims by students including student workers against Faculty members or other employees should be made with the Office of Institutional Diversity, Equity and Access, 103 Wells Hall, telephone number 809-270-3155.
2. Claims by a student against another student should be made to the Vice President for Student Affairs, 425

Wells Hall, 270-809-6831.
3. If the Director of the Office of Institutional Diversity, Equity and Access is the person against whom complaint is made, the report should be made to the President of the University.
4. If the complaint is against the President or a member of the Board of Regents, the report should be made to the Chair of the Board of Regents. If the complaint is against the Chair of the Board, the complaint should be made with the Vice-Chair of the Board.
5. If there is doubt about which office the allegations should be made to, or if assistance is needed with respect to a complaint, the Office of Institutional Diversity, Equity and Access should be contacted for help.

In accordance with law, there will be no retaliation against an individual making a good faith claim of sexual harassment.

Sanctions. Any individual charged with sexual harassment will be accorded due process in compliance with established University procedures. Sanctions for sexual harassment may range from written warning to termination (for an employee) or expulsion (for a student).

Statement on Research Involving Human Subjects

Murray State University faculty and students must adhere to strict rules regarding the use of human subjects in research. All research involving human subjects (including, but not limited to the use of existing records as well as the collection of new data) must be reviewed and approved in advance by the University Institutional Review Board (IRB). Failure to obtain IRB approval or to follow IRB approved research protocols can result in serious penalties as well as restrictions on the use and dissemination of research findings. Faculty and students should consult the IRB Procedures and Guidelines for information on this subject.

Arthur J. Bauernfeind College of Business

David Eaton, Intrim Dean
198 Business Building
(270) 809-4181
msu.cob@murraystate.edu

New research findings, technological breakthroughs, and changing economic conditions offer challenges and excellent employment opportunities which can be prepared for through the undergraduate and graduate programs of the Arthur J. Bauernfeind College of Business.

Murray State University began programs in business in 1935. The strong demand for men and women with such preparation has resulted in a steady expansion in course offerings, enrollment, technology, and faculty.

Today, the Bauernfeind College of Business is organized into six departments: Accounting; Computer Science and Information Systems; Economics and Finance; Journalism and Mass Communications; Management, Marketing and Business Administration; and Organizational Communication and Leadership. Each department offers viable programs of study at both the undergraduate and graduate levels designed to educate leaders for many kinds of endeavors, both private and public.

The college also houses the Center for Economic and Entrepreneurial Development, Center for Banking and Finance, Center for Financial Planning, the Center for Economic Education, TV-11, WKMS, and the MSU News.

AACSB and ACEJMC Accreditation

All the undergraduate Bachelor of Arts in Business (BA) and Bachelor of Science in Business (BSB) programs, the Master of Business Administration (MBA), and the Master of Science in Information Systems (MSIS) are accredited by AACSB-International—The Association to Advance Collegiate Schools of Business.

The following minors are also accredited by AACSB: accounting, computer information systems, finance, business administration, entrepreneurship, golf course management, management, marketing, and real estate.

In addition, majors in advertising, journalism, public relations, and television production in the Department of Journalism and Mass Communications are accredited by the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC).

Careers

Challenging and rewarding career opportunities exist today for university-educated men and women capable of assuming positions in administration and supporting professions.

A number of national corporations, governmental agencies, not-for-profit organizations, and regional organizations regularly visit the campus to interview qualified candidates.

Vision

The Bauernfeind College of Business aspires to be one of the best regional business schools in the nation.

Mission

The Arthur J. Bauernfeind College of Business (AJB-CoB) prepares students for careers in the dynamic environments of business, information technology, public and private organizations, and mass communications. The AJB-CoB strives for excellence by:

• Engaging students in the acquisition of fundamental knowledge; mastery of professional skills (including oral and written communication, problem-solving and critical thinking); and the application of knowledge and skills to emerging issues, technologies, and professional practices in a student-centered learning environment.

• Providing students with quality undergraduate and master's degree programs embodied in relevant curricula and innovative learning environments.

• Encouraging students in intellectual and social development by providing a high degree of student and faculty interaction
both inside and outside the classroom, cultivating leadership, and developing an appreciation for ethical issues and diversity in the global marketplace.

• Providing students with global perspectives in the classroom, while also encouraging both students and faculty to pursue opportunities for international travel and learning.

• Developing and encouraging academic outreach, collaborative relationships with alumni, business and industry, public schools, government agencies and non-profit organizations, as well as colleges and universities at home and abroad.

• Supporting a faculty commitment to quality teaching, service and continuous improvement that is enhanced by a 50% to 65% focus on Basic or Discovery Scholarship, with secondary emphasis on both Applied or Integration/Application Scholarship and Teaching and Learning Scholarship.

Undergraduate Programs

Students pursue their particular interests by selecting one of the area or major programs offered within the college. Area programs are offered in accounting,

business administration, computer information systems, computer science, finance, logistics and supply chain management, management, and marketing. Major programs are offered in advertising, business administration, computer science, economics, graphic communication, journalism, nonprofit leadership studies, organizational communication, public relations, and television production. Also, a two-year associate of arts degree program is offered in business administration.

Several of the college's area and major programs provide excellent preparation for students considering a career in law. Pre-law students opting to major in economics are advised by faculty in the Department of Economics and Finance.

A student pursuing a major or area program within another college at Murray State may pursue a second area, a major, or a minor in the Bauernfeind College of Business.

Undergraduate University Studies Requirements
Students pursuing the college's area business programs and one of the major programs, business administration, must follow the Bachelor of Arts in Business (BAB) or the Bachelor of Science in Business (BSB) University Studies requirements. The college's other area and major programs—advertising, computer science, economics, graphic communications media, journalism, nonprofit leadership studies, organizational communication, public relations, and television production—follow the university Bachelor of Arts or Bachelor of Science University Studies requirements.

Entrance Standards for Business Programs
A student pursuing an area business program or the major in business administration within the college must be admitted to business programs. The admission standards are as follows:
1) applicant must have a minimum overall GPA of 2.00.
2) applicant must have completed the following pre-admission courses with a combined GPA of 2.25: ACC 200, ACC 201, BUS 215, CIS 243 or STA 135, CIV 201 or 202, COM 161, CSC 199, ECO 230, ECO 231, ENG 105, HUM 211, LST 240, MAT 220 or 250.

A minimum grade of *C* must be earned in CIS 243 (or STA 135) and ENG 105.

CIV 201 or 202 and HUM 211 are waived for students with transfer coursework and/or general education certification that would waive HUM and CIV in University Studies for Murray State's bachelor's degrees.

COM 161 is waived for students with transfer coursework and/or general education certification that would waive COM 161 in University Studies for Murray State's bachelor's degrees.

The course or courses used to meet the ENG 105 requirement for Murray State's University Studies will be used to meet the ENG 105 requirement for admission to business programs. When more than one course is used, the courses must average a grade of *C* to meet the minimum grade for this course requirement.

Honors sequence courses will meet the business admission standards as follows:
• ENG 150 (with a minimum grade of *C*) for ENG 105
• HON 165 for COM 161
• HON 201 or 202 for CIV 201 or 202
• HON 232 for ECO 230 and ECO 231
• HON 251 for HUM 211

Enrollment in business courses numbered 300 or above will be limited to:
1) business program students admitted to the college's accredited programs;
2) non-business students who have junior standing and are enrolled in specific programs or minors requiring business courses; and
3) other students or classifications of students with the specific permission of the department offering the course.

Business program students seeking admission to upper-division courses who have not completed all of the required pre-admission course work will be conditionally admitted to business programs and allowed to register for advisor-specified upper-division courses if they satisfy the minimum grade point average requirements and if they are concurrently enrolled in the courses necessary to complete the pre-admission requirements. Failure to meet all requirements for admission will result in denial of admission to the business programs; students denied admission will not be admitted to upper-division business classes.

Any student not admitted can appeal the decision to a collegiate review committee.

Business Core Requirements
All area business programs within the college plus the major in business administration require the business core requirements listed below. These requirements must be completed by any student who takes more than 25 percent (30 hours) of his/her course work in business. Business includes the following prefixes: ACC, BAC, BUS, CIS, FIN, LSC, MGT, MKT, RES, and LST 240. Courses with the following former Murray State business prefixes are considered business hours for purposes of this rule: BOA, BPA, BUA, CQM, GBU, OAD, and OSY. University orientation courses numbered 099 or 100T do not count in the 25 percent course work rule for business students.

100T Transitions (1)

ACC 200 Principles of Financial Accounting (2)
ACC 201 Principles of Managerial Accounting (2)
BAC 355 Information Systems and Decision Making (3), (4)
BAC 442 Business Ethics and Environments
BUS 215 Business Communication
CIS 243 Business Statistics I (5)
CIS 343 Business Statistics II (6)
ECO 310 Issues in the Global Economy
FIN 330 Principles of Finance
LSC 343 Fundamentals of Operations (7)
LST 240 Legal Environment of Business
MGT 350 Fundamentals of Management
MGT 590 Strategic Management
MKT 360 Principles of Marketing
Total: 41 credits

(1) Consult with an academic advisor to select the appropriate transitions course.
(2) Students pursuing an area in accounting must have a minimum grade of *B*.
(3) Students pursuing an area in accounting must take ACC 308 in lieu of BAC 355.
(4) Students pursuing an area in computer information systems must take CIS 307 in lieu of BAC 355.
(5) A minimum grade of *C* is required in CIS 243. STA 135 with a minimum grade of *C* may be used to meet this requirement.
(6) STA 235 may be used to meet this requirement.
(7) Students pursuing an area in logistics and supply chain management must have a minimum grade of *C*.

Additional requirements for BAB and BSB students are specified in *Academic Degrees and Programs*.

Business Electives
Courses with the following prefixes may be selected as “business electives” for programs in the Bauernfeind College of Business and elsewhere in the university, except where noted otherwise: ACC, BAC, BUS, CIS, ECO, FIN, LSC, MGT, MKT, RES, and TSM. COM 340, COM 439, CSC 101, CSC 125, JMC 168, JMC 391, JMC 394, LST 240, LST 440, and POL 442 are also acceptable.

Courses required for admission to business programs or courses that are in the business core cannot be used to meet business elective requirements. Exceptions may be made for the Associate of Arts degree in Business Administration or minors with advisor approval. The former courses MGT 250 and MKT 260 do not apply toward business or economics major, minor or area requirements.

Courses with the following former Murray State prefixes also count toward business elective requirements: BOA, BPA, CQM, GBU, OAD, and OSY.

Because they were business electives at the time, POL 140, 250, and 252 will count as business electives if taken prior to Fall 2005.

Courses with the COB prefix are business electives transferred to Murray State, are not a direct equivalent to any Murray State course, and do not count against the 25 percent business hours rule (see Core Requirements).

Double Areas, Majors, or Minors
Courses completed in fulfillment of the requirements for one area, major, or minor cannot also be applied to the requirements of another area, major, or minor. **Students pursuing a BAB or BSB degree may not have a double major/area or a minor in any business discipline accredited by AACSB-International except Real Estate and Golf Course Management. See AACSB and ACEJMC Accreditation at the beginning of this chapter.**

Graduate Programs
The Bauernfeind College of Business offers seven graduate degree programs: the Master of Business Administration (MBA), offered through the Arthur J. Bauernfeind Graduate program in Business Administration; the Master of Science in Information Systems (MSIS); the Master of Science in Economic Development; the Master of Arts or Science in Mass Communications; the Master of Arts or Science in Organizational Communication; and a Master of Science in Cybersecurity Management. The business programs prepare graduates for a variety of challenging and rewarding careers in industry, private enterprise, governmental agencies, and non-profit organizations.

The MBA and MSIS programs are accredited by AACSB International—The Association to Advance Collegiate Schools of Business.

Director: Joy Roach Humphreys
(270) 809-4259
jhumphreys4@murraystate.edu

The graduate program leading to the Master of Business Administration (MBA) degree for full-time students is offered during the day and evening at Murray. The same program is offered 100% online.

The MBA program is offered jointly by the departments within the college. It is designed to qualify graduates for creative leadership positions in a complex and ever-changing business environment. Primary emphasis is placed on the analyses of business problems, the determination of business policies, and the development of the skills and mature judgment necessary for competent management.

The integrated curriculum provides each student with an understanding of the major facets of domestic and international business operations including work in the theoretical and historical foundations of business, quantitative controls, information systems, research methodology, decision making through the development of advanced functional skills, and the socio-political environment of business. Opportunity is provided for a moderate degree of specialization through selected graduate electives. The accounting concentration requires additional foundation courses. There is no comprehensive examination or thesis requirement. However, the capstone course, MGT 656, can be taken only after completion of 18 hours of graduate course work.

Requirements for Admission
Applicants must meet Murray State University requirements (see *Graduate Admissions*). Additional requirements for unconditional and conditional admission are as follows.

Unconditional
An applicant must attain an acceptable score using the following formulas that combine the undergraduate grade point average (UGPA) and the score on **either** the Graduate Management Admission Test (GMAT) or the Graduate Record Examination (GRE).
All applicants, including those with GPAs of 3.0 and above, must take either the GMAT and achieve a minimum score of 400, or the GRE and achieve a minimum score of 286, or request a waiver if one of the following criteria can be met:

- an earned graduate degree
- undergraduate GPA of 3.25 or higher

- undergraduate GPA of 3.0 or above with two years of professional work experience

Applicants with undergraduate GPAs of less than 3.0 on the 4.0 scale need GMAT scores that are higher than 400, or GRE scores higher than 286. For unconditional admission to the program, an applicant must satisfy one of two formulas:
GMAT Users: (200 x UGPA) + GMAT > 1,000
GRE Users: GRE > 321 - (11.66 x GPA)
(Combined quantitative and verbal sections only.)
An alternative formula is used if an applicant's grade point average on the last 60 semester hours (LGPA) of undergraduate work is 0.25 points or more above the applicant's overall UPGA: 200 x (LGPA-0.25) + GMAT > 1,000.
An applicant whose native language is not English or who did not graduate from an English-speaking college or university must satisfy the above requirements, meet all admission requirements specified in the international student admission section of this *Bulletin*, and score a minimum of 20 in each of the four areas examined in the new TOEFL, i.e. writing, reading, listening, and speaking.

Conditional
An applicant who has not taken the GMAT or GRE will be granted conditional admission to the M.B.A. program if the applicant's UGPA is at least 2.75 (on a 4.00 scale), or if the applicant's LGPA is at least
3.00. This student must take the GMAT/GRE within two months of receiving the conditional admission letter. A student who is conditionally admitted may enroll in foundation courses (see below), but may not enroll in 600-level courses without a special waiver from the assistant dean/MBA director. International students are not admitted conditionally, meaning they must take and pass the GMAT or GRE before coming to the United States.

Department of Computer Science and Information Systems

Chair: Victor Raj
Faculty: Antony, Beck, Ford, Kuzey, Pilgrim, Raj, Singh, Smith, Sutrick, Tennyson, Wright

652 Business Building
(270) 809-2094
msu.csis@murraystate.edu

According to the United States Department of Labor, “Employment of computer and information technology occupations is projected to grow 13 percent from 2016 to 2026, faster than the average for all occupations. These are projected to add about 557,100 new jobs. Demand for these workers will stem from greater emphasis on cloud computing, the collection and storage of big data, and information security.” [Source: https://www.bls.gov/ooh/computer-and-information-technology/]

The faculty in the department is drawn from both academia and industry and is well-equipped to prepare students for careers that could span several decades. They are also nationally recognized for their research in a wide variety of areas from learning styles and knowledge management to robotics.

The department provides access to modern well-equipped computer laboratories with a healthy collection of modern software to provide sound practical experience with the latest in computer hardware and software. The learning environment and curricula are structured to give the student the theoretical foundation and practical hands-on experience necessary to successfully pursue a variety of professional and technical careers in the dynamic and rapidly changing computing fields.

Students may choose from two baccalaureate degree programs, computer science or computer information systems, and a Master of Science in Information Systems (MSIS). For those seeking just a taste of this discipline, we also offer minors in computer information systems, computer science, and data analytics.

Those completing the area in computer information systems are well prepared for a variety of careers in business and industry. As this program provides a strong foundation in business with an equally strong immersion in the technology that drives modern businesses, typical career paths include management of people, assets and technologies. They are also equipped with a skill set that makes them effective communicators between the technology in all

its complexity and the user who needs the technology to operate efficiently. Students earn a Bachelor of Science or Bachelor of Arts in Business (BSB or BAB). This program is amenable to a 2+2 format where the first two years are completed at a local community college.

Students pursuing an area in computer science may choose to specialize in “threads of emphasis”. At the beginning of their third year, students are encouraged to pick one of four threads – graphics and visual computing, net-centric computing, embedded system programming, or applications programming – and develop their expertise in the form of project enhancements as they learn new concepts in various classes. By their senior year, they have a substantial software product worthy of two years’ focused effort. This gives our students an opportunity to put into practice the theoretical constructs developed in the classroom.

The department also offers a computer science track and minor in game development. This should be of interest to students wishing to explore a career in this growing field that combines programming, math as well as the creative aspects of art and writing.

The department also offers a minor in computer information systems for those wanting to get the basics of modern information systems after having mastered their primary field of study such as economics, mathematics, chemistry, biology, criminal justice etc.

The minor in Data Analytics is offered for those wanting to get a general understanding of the now-popular “Data Science” career path. The choice of courses gives students a sense of preparation needed for a more thorough immersion in Data Science. The knowledge domains span Computer Science, Statistics, Business and Information Systems.

Please contact the department for specifics.

A minor in computer science is also available for students majoring in other areas to boost their career prospects with a subset of key computer science courses.

Department of Economics and Finance

Interim Chair: Narine Badasyan
Faculty: Acharya, Badasyan, Brasfield, Broker, Dunn, Durr, Eaton, Guse, Hassan, Lacewell, McCoy, Milkman, Reed, Silva, Xu

307 Business Building
(270) 809-4188
msu.ecofin@murraystate.edu

Students in the Department of Economics and Finance have a wide choice of curricula offered by highly qualified faculty members, most of whom hold the doctorate degree. The department offers a major in economics for those students who wish to pursue a traditional liberal arts education containing a mixture of business and non-business classes outside the Bauernfeind College of Business. This option may be especially attractive for pre-law students. The flexibility of the economics major allows students to tailor the program to their career goals or for further graduate study. It is also one of the approved majors for teaching the social sciences. In such cases, the required minor and non-economics electives should be carefully selected in consultation with a departmental advisor. The department offers minors in economics, business economics, and international economics. The department also supports a minor in secondary social studies for those students seeking secondary certification in social studies (grades 8-12). This minor combined with the economics major increases the probability for success on the PRAXIS examination. In addition to supporting the MBA program and other graduate programs, the Department of Economics and Finance offers the Master of Science in Economics.

The department offers an area in finance that prepares a student to operate in a variety of career paths, including banking, corporate finance, investments, securities analysis, and financial services. Students successfully completing requirements for the area in finance are prepared to successfully transition into a business environment or to continue on to graduate studies in finance or other areas of business. In addition to the area in finance, the department offers an area with a financial planning option. The financial planning option is an area in which many career opportunities exist, is approved by the Certified Financial Planning Board of Standards, and provides students with the background necessary to be allowed to take the test for CFP certification. The department also offers a minor in finance for non-business students. Each area of specialization provides preparation for a variety of employment opportunities or serves as a basis for graduate study. Electives are available to

prepare qualified students for positions calling for skills in financial analysis in both the private and public sectors of the economy.

The **State Farm Financial Services Resource Center**, on the first floor of the Arthur J. Bauernfeind College of Business, focuses on career development and education for students interested in banking, financial planning, financial analysis and economic education. Students gain hands-on experience working with commercial-grade financial planning software and have live-feeds and historic information on bonds, equities, commodities and currencies used by financial professionals around the world. The suite features a state-of-the-art LCD video wall comprised of four 46-inch monitors. The center allows professors to take students beyond the theory and applications in textbooks into a more practical learning environment.

Department of Journalism and Mass Communications

Chair: H. Allen White
Faculty: Anderson, Ezumah, Hinton, Magee, Norsworthy, Owens, Qualls, Shemberger, Thomas, Valentine, Vance, Welsch, White, Wright

114 Wilson Hall
(270) 809-2387
msu.jmc@murraystate.edu

The Department of Journalism and Mass Communications offers five majors leading to a bachelor's degree: advertising, graphic communications media, journalism, public relations, and television production. The department offers six minor programs: advertising, graphic communications technology, journalism, mass communications, photography and television production. Additionally, a Master of Arts or a Master of Science degree is offered in mass communications.

The mission of the Department of Journalism and Mass Communications is to prepare our graduates to be successful professionals at the beginning of and throughout all phases of their chosen careers in mass communications.

We expect our graduates to achieve the following learning objectives as outcomes of their education in our majors and programs:

- Understand and apply the principles and laws of freedom of speech and press as stated in the 1st Amendment to the United States Constitution and understand the meaning of freedom of expression around the world, including the right to dissent, to monitor and criticize power, and to assemble and petition for redress of grievances;
- Demonstrate an understanding of the history and role of professionals and institutions in shaping communications;
- Demonstrate an understanding of gender, race, ethnicity, sexual orientation and, as appropriate, other forms of diversity in domestic society in relation to mass communications;
- Demonstrate an understanding of the diversity of peoples and cultures and of the significance and impact of mass communications in a global society;
- Understand concepts and apply theories in the use and presentation of images and information;
- Demonstrate an understanding of professional ethical principles and work ethically in pursuit of truth, accuracy, fairness and diversity;
- Think critically, creatively and independently;

- Conduct research and evaluate information by methods appropriate to the communications professions in which they work;
- Write correctly and clearly in forms and styles appropriate for the communications professions, audiences and purposes they serve;
- Critically evaluate their own work and that of others for accuracy and fairness, clarity, appropriate style and grammatical correctness;
- Apply basic numerical and statistical concepts;
- Apply current tools and technologies appropriate for the communications professions in which they work, and to understand the digital world

Murray State University's Department of Journalism and Mass Communications is one of only 112 programs fully accredited by the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC). The undergraduate programs in advertising, journalism, public relations, and television production have been accredited since 1987 and were reaccredited May 2016 for a six-year period.

ACEJMC has established the following curriculum requirements:

1. a student must earn at least 72 hours of credit (of the 120 required for graduation) outside the department;
2. a student must complete all University Studies requirements;
3. a student may count no more than six semester hours of practicums, internships or cooperative education toward the major;
4. a student must complete a minor

Students must pass ENG 105 or 150 with a grade of *B* or better and have basic keyboarding skills to be eligible for the department's basic courses, JMC 194, JMC 270, JMC 391, and JMC 394.

For more information about undergraduate programs, contact the department at (270) 809-2387 or write to Chair, Department of Journalism and Mass Communications, Murray State University, 114 Wilson Hall, Murray, KY 42071-3311, email msu.jmc@murraystate. edu.

For information about the graduate program, contact the graduate coordinator at (270) 809-3171 or write to Graduate Coordinator, Department of Journalism and Mass Communications, 114 Wilson Hall, Murray, KY 42071-3311, email msu.jmc@murraystate.edu.

Historic Wilson Hall, the second-oldest building on the campus, houses the main classrooms and offices for Journalism and Mass Communications, as well as *The Murray State News*, a national award-winning student newspaper and its companion website The- News.org. The department also publishes an annual alumni newsletter. Television production facilities are located on the 8th floor of the Price Doyle Fine Arts Center and include MSU-TV 11 student cable access

channel. The department is affiliated with such organizations as the Association for Education in Journalism and Mass Communication (AEJMC), the Association of Schools of Journalism and Mass Communication, Kentucky Intercollegiate Press Association, College Media Advisers, American Advertising Federation, and the Public Relations Society of America. Broadcast affiliations include the Broadcast Education Association and the Kentucky Broadcasters Association. There are active student chapters of the American Advertising Federation, the Public Relations Student Society of America, and Kappa Tau Alpha, honorary journalism fraternity.

Scholarships and Awards

The department offers scholarships, internships, graduate assistantships, and special awards in journalism and mass communications. For additional information, contact the Department of Journalism and Mass Communications, msu.jmc@murraystate.edu.

Department of Management, Marketing and Business Administration

Chair: R. Heath Keller
Faculty: Andonova, Betts, Craig, Dublin, Holmes, Humphreys, Johnston, Karabas, Keller, Lefebvre, Linnhoff, Miles, North, Ray, Seaton, Sheets, Super

451 Business Building
(270) 809-6196
msu.mgtmkt@murraystate.edu

The Department of Management, Marketing and Business Administration offers many curriculum alternatives for students. Students completing an area in management, marketing, or business administration meet the strongest requirements for each of these fields. Students may also focus on a major in business administration and then choose a minor outside the Bauernfeind College of Business to broaden their expertise in another field of interest. Additionally, a student may pursue a minor in business administration, entrepreneurship, golf course management, management, marketing, or real estate.

Within the management area, two tracks are offered which permit students to direct their studies toward specific management fields: entrepreneurship or human resources. These programs prepare students for both beginning work experiences and for graduate study in business. Today's manager must combine sophisticated decision-making ability with the ability to lead and direct others. The curriculum in management is designed to provide professional training and to develop the competency of students for careers in the management of the business and economic affairs of modern organizations.

Logistics and supply chain management area students will be educated in core business disciplines; utilization of problem-solving and decision-making skills in business, ethics, and information technology; and the multicultural dimensions of the modern business environment. Students will also develop competencies in transportation and logistics, organizational behavior, supply chain management, and data analysis to prepare them for employment within the many transportation and logistics firms within the region and the state.

Marketing graduates are involved in the development of creative solutions to marketing problems that arise in the link between the production of goods and services and their final use. The marketing degree prepares students for careers

in a wide range of fields including retailing, sales management, advertising, and two of the fastest-growing and most exciting fields – international marketing and e-business.

The business administration program prepares students for a variety of career opportunities. It provides students with a broad overall understanding of the different functional disciplines of business and prepares them for positions of responsibility in business organizations. A major in business administration is offered for those students wishing to minor in an area outside of business.

The Real Estate Program provides the credits needed to meet the educational requirements for a Kentucky real estate salesperson or broker license. A minor in real estate can be earned by taking offered real estate courses and approved electives.

Department of Organizational Communication and Leadership

Chair: R. Michael Bokeno
Faculty: Bokeno, Cox, Esau, Gesler, Gowen, Long, Luurs, Miller, Parish, Perna, Smith, Tilson

312 Wilson Hall
(270) 809-4483

The Department of Organizational Communication and Leadership offers programs leading to either the Bachelor of Arts or the Bachelor of Science degree. The department offers two majors: Organizational Communication and Nonprofit Leadership Studies. The department also offers minors in adventure leadership, community recreation, sports communication, organizational communication, and nonprofit leadership studies.

Organizational communication is the study of strategic communication processes and skills that create successful organizations. Because *organizing* people to work together depends upon effective *communicating*, the organizational communication major provides professional development for a wide variety of careers.

Students learn methods for assessing communication problems, designing communication processes, and improving communication quality in organizations. Students develop skills in managerial communication, teamwork, leadership, interpersonal communication, conflict resolution, public speaking, training, decision-making and other communication-based competencies. Because all employers seek employees who can build relationships, promote ideas, guide teams, facilitate collaboration, and provide leadership, graduates are highly marketable and successful.

The department also provides exciting opportunities for real-world experience with our internship program. Students will work with an internship advisor to be placed in a work setting while gaining college credit. Here, students will be able to immediately apply communication theories and competencies in their workplace, reflect on their findings, and discuss those with their faculty internship advisor.

The major is compatible with all fields of study allowing students to select a minor that best fits their personal interests and goals (e.g., marketing, management, advertising, psychology, Spanish, math, biology, English, or non-profit leadership studies).

The total number of credit hours earned in business courses (ACC, BAC, BUS, CIS, FIN, MGT, MKT, RES, LST 240, LST 440) cannot exceed 25 percent of total curriculum requirements.

The Department of Organizational Communication and Leadership requires that a 2.50 grade point average (GPA) must be maintained in any or all COM majors or minors in order to receive a degree from Murray State University. A student failing to maintain a 2.50 will not be permitted to take new courses in the department until the GPA reaches or exceeds 2.50.

The department offers a limited number of assistantships/scholarships.

College of Education and Human Services

David C. Whaley, Dean
3101 Alexander Hall
(270) 809-3817

The mission of the Murray State University College of Education and Human Services is the preparation of leaders for successful careers that positively impact communities as advocates and practitioners, through student-centered, authentic, and engaging academic programs.

The college is comprised of four departments and one center, which offer associate, baccalaureate, master's, post-master's, specialist in education, certifications, and doctorate degrees for teachers and other school personnel.

Adolescent, Career and Special Education. This department offers certification preparation programs for middle and secondary school teachers in a variety of disciplines. Areas are offered in business and marketing education, family and consumer sciences education, health and physical education, engineering/technology education, learning and behavior disorders (elementary school and middle school), middle school education and an occupation-based Rank I program. A non-certification degree in health and physical education is also available.

A student may complete a Master of Arts in Education in special education. A Master of Science in Career and Technical Education and a graduate certificate are also offered.

Community Leadership and Human Services. This department offers a Bachelor of Social Work (BSW) and a baccalaureate degree in criminal justice. Students in the degree program gain hands-on experience by working in a variety of settings in regional and state agencies.

Early Childhood and Elementary Education. This department offers baccalaureate degrees in interdisciplinary early childhood education (birth through kindergarten) and in elementary education (kindergarten through fifth grade). Master of Arts in Education degrees are offered in reading and writing (leading to a literacy specialist endorsement P-12), interdisciplinary early childhood education, and interdisciplinary early childhood education certification programs. This department’s student-centered, field-based practices and department faculty’s experiential and academic expertise prepare future teachers to become highly-qualified, effective educators.

Educational Studies, Leadership and Counseling. This department houses the Ed.D. in P-20 and Community Leadership and the Master of Arts in Postsecondary Education. Other post-baccalaureate programs are offered in school administration and leadership, school counseling, and school psychology, designed to prepare students to work in preschool through high school educational environments. The human development and leadership degree prepares students from human services fields to work in administrative positions and take leadership roles in a variety of settings. A clinical mental health counseling concentration for non-school settings is also available with the Ed.S. in Counseling. Students may also choose to pursue a bachelor's degree in human services.

The Center for Communication Disorders offers a baccalaureate degree in Communication Disorders and a Master of Science in Speech-Language Pathology. In addition to exemplary academic programs, the center is home to the Murray State University Speech and Hearing Clinic and the Voice and Swallowing Research Clinic, which offer comprehensive evaluations and therapy for a variety of communication disorders. These clinics serve individuals across the lifespan.

Graduate certificates. The College of Education and Human Services offers numerous programs toward Kentucky teacher certification at the post-baccalaureate and post-master's levels. In addition to degree and rank certification programs, the College of Education and Human Services also offers 12- to 15-hour endorsement programs in environmental education, and instructional computer technology. All offerings are described under the appropriate departments.

The College of Education and Human Services is a member of the American Association of Colleges for Teacher Education and Teacher Education Council of State Colleges and Universities. All professional education programs are accredited by the Council for the Accreditation of Educator Preparation and the Kentucky Education Professional Standards Board. Other accreditations include those by the Council for Accreditation of Counseling and Related Educational Programs, the Council on Social Work Education, and the American Speech-Language-Hearing Association's Council on Academic Accreditation in Audiology and Speech-Language Pathology.

Additional Services

Special centers within the college focus resources in areas important to community service, educational reform, and the health and wellness of individuals, communities and school districts.

The **Center for Assessment and Counseling's** mission is twofold—to provide high quality, low-cost psychoeducational assessment, counseling, and

consultation services to schools, adults, children and their parents in the community, and to provide school psychology, special education, and counseling graduate students a venue to practice, with close supervision, the skills acquired through their graduate preparation.

The **Center for Autism Spectrum Disorders** was created to help meet the unique needs of children with Autism Spectrum Disorder (ASD) and their families. This University training clinic employes students in psychology and education under the direct supervision of a licensed psychologist. This model allows the facility to offer flexible options for families who might not have a cost-effective option otherwise.

The **Teacher Quality Institute** coordinates instructional and direct service activities to support pre-service teacher preparation, teacher recruitment and in-service teacher professional development.

The **Kentucky Academy for Technology Education** provides training and support to pre-service and in-service educators to empower them to integrate technology into their teaching.

Teacher Education Services
The Office of Teacher Education Services, located in 2101 Alexander Hall, is responsible for the coordination of all admission to teacher education processes, for teacher certification and rank change applications, and for a variety of data processing functions, and certification recommendations.

The office provides students enrolled in teacher education programs with a wide variety of clinical and field experiences/placements, including opportunities to observe and participate in regular public school classrooms.

Teacher Education and Student Teaching Admission Requirements
Students shall not enroll in any educator preparation courses restricted to admitted candidates (16 KAR 5:020).
In order to be admitted to Teacher Education students must:
1) Attend an admission to teacher education orientation and complete the following:
(a) Beginning September 1, 2014, Core Academic Skills for Educators (CASE) with established minimum scores for Math (150) Reading (156), and Writing (162).
(b) Have completed a minimum of 24 credit hours with a minimum 2.75 GPA to include the following:
(1) ENG 104 or ENG 105 with a minimum grade of *B*
(2) MAT 117 (or higher level math) with a minimum grade of *B*
(3) COM 161 or HON 165 with a minimum grade of *B*
(4) EDU 180 or equivalent with a minimum grade of *B*

2) An interview with major academic advisor or chair (or advisor may opt to write a letter of recommendation in lieu of an interview).
3) Complete review of the Professional Code of Ethics for Kentucky School Personnel and a Declaration of Eligibility for Certification signed by the candidate affirming a commitment to upholding the code and acknowledging awareness of information required for state certification. If answers on the Declaration of Eligibility change during the time of participation in the teacher education program, the Director of Teacher Education Services must be notified immediately.
4) Have supplied TES with any other required information.

When all the above requirements have been met, the formal application can be submitted, accompanied by all required documentation. This includes an official score report for the CASE requirement and a transcript showing all college work to date. Students who have not been admitted to Teacher Education will not be eligible to enroll in specific upper-level courses that specify admission to teacher education as a prerequisite.

Student Teaching
In order to be admitted to student teaching, students must:
1) Have been granted admission to the Teacher Education program.
2) Have attended an admission to student teaching orientation two semesters prior to the term in which student teaching is anticipated.
3) Have minimum 2.75 GPA in major/area(s), professional education, and overall.
4) Have student teaching placement interview the semester prior to student teaching.
5) Have demonstrated teaching ability in field and clinical situations.
6) Have completed a minimum of 200 hours of field experiences and required components.
7) Have senior, post-baccalaureate, or graduate status and have completed all major/specialty areas and professional education courses (except student teaching.)
8) Have a current physical medical examination and TB risk assessment on file in Teacher Education Services.
9) Obtain a criminal records check.
10) Obtain a letter from the Cabinet for Health and Family Services verifying no findings of child abuse or neglect per KRS 160.380 section 5(a).
11) Have supplied Teacher Education Services with any other required information.
12) Submit student teaching application.

After one (1) unsuccessful undergraduate student teaching placement (undergraduate placement) or graduate student teaching practicum placement (graduate placement) due to unsatisfactory performance, a plan for

improvement may be deemed necessary (improvement plan) by the College of Education and Human Services. If an improvement plan is deemed necessary, a written plan will be prepared and reviewed with the student. No student may reapply for student teaching until the improvement plan has been successfully completed. Once the improvement plan has been successfully completed by the student, the student may reapply for admission to student teaching and, if admitted, a new placement will be selected. Successful completion of any plan of improvement does not guarantee readmission to student teaching.

Any student who has an unsuccessful undergraduate placement or graduate placement due to unsatisfactory performance may be refused re-admittance to student teaching if it is determined that the student's performance/conduct during the placement was so egregious, unprofessional, or otherwise grossly incompetent as to render consideration of an improvement plan and/or a second placement inadvisable. A student who re-applies and is denied admission to student teaching on such grounds will be informed in writing by the Admission to Teacher Education Committee. The grounds stated here are not the exclusive reasons for denying readmission.

A student denied readmission to student teaching as per paragraphs 1 or 2 above may pursue an appeal as per the College of Education and Human Services Grievance Procedure.

Any student who has had two (2) unsuccessful undergraduate placements or graduate placements shall not be readmitted to student teaching. An unsuccessful placement includes, but is not limited to, termination of placement due to unsatisfactory performance or performance otherwise deemed to be unsatisfactory. An unsuccessful placement may exist regardless of any grade (e.g., *I*, *W*, or *E*) assigned.

General Requirements for Certification in the Commonwealth of Kentucky
Any person who wishes initial certification in the Commonwealth of Kentucky must have:
• completed a teacher education program (including student teaching);
• earned a passing score on all required Praxis II Specialty Exam(s) and the Principles of Learning and Teaching exam; and
• applied for a certificate.

Students seeking certification or to add additional certification to current Kentucky teaching certificates should:
• complete and have signed a CA-1 form;
• request transcript to be sent to EPSB;
• pay fee to EPSB;
• upload completed/signed CA-1 form to EPSB and notify MSU Teacher Education Services, 2101 Alexander Hall, Murray, KY 42071.

Records and information on all the above standards and requirements are maintained in the Teacher Education Services Office, 2101 Alexander Hall, (270) 809-2054.

NOTE: Requirements for teacher certification are established by the Kentucky Education Professional Standards Board (EPSB). Murray State University publishes these requirements as a service to students, but certification requirements outlined in this Bulletin may not reflect latest board policy. For up-to-date information, students should check with the chairs of the professional departments, the EPSB website at www.kyepsb.net, by calling EPSB at 888-598-7667, or by consulting Kentucky Administrative Regulations (available in the Legal Resources Library and at the Kentucky Department of Education website [www.kde.state.ky.us).](www.kde.state.ky.us)

Initial Teaching Certification for Graduate Students

Graduate students who currently hold no teaching certificate may become eligible for certification if they enroll in an initial certification program, meet the criteria for admission to teacher education and student teaching, and fulfill the requirements for certification.

Master's Degree Programs

These requirements are in addition to the general requirements for all graduate students listed in Graduate Admissions.

Requirements for Admission

All students applying for admission to a master's degree program offered by the College of Education and Human Services must have completed a baccalaureate degree from a regionally accredited college or university. To see if the master's program requires a score on the general test (V + Q + A) of the Graduate Record Exam (GRE), please consult the departmental sections of this bulletin.

Unconditional

To qualify for unconditional admission, an applicant must have an appropriate undergraduate major and an overall undergraduate GPA of 3.0. In addition, some programs in the college require a Kentucky letter of eligibility for the beginning teacher internship program or a Kentucky provisional certificate or comparable documentation from another state department of education. Contact departmental chair for information. International students must meet TOEFL score requirements, listed in Graduate Admissions, as well as other requirements.

Conditional

Conditional admission may be granted to students who have an overall undergraduate GPA of at least 2.5 but less than 3.0 or who meet all

unconditional admission requirements except coursework to meet requirements for appropriate major or certification.

Students without appropriate certification may be admitted upon departmental review by signing a waiver acknowledging non-certification.

Students who do not meet specified admissions criteria may be reviewed by the appropriate departmental graduate committee. Following a full review of all student records, that committee will
A. recommend conditional admission (permissible only when the student meets university graduate admission requirements), carefully specifying conditions; or
B. recommend remediation and reschedule the student for departmental graduate committee admission review once remediation is complete; or
C. deny admission.

Students admitted conditionally who successfully complete nine hours of graduate work will be reassigned to unconditional status. A student admitted conditionally who has a GPA of less than 3.0 will be dropped from the graduate program. A graduate student dropped for academic reasons may reapply after remaining out of the graduate program for one semester.

Additional Requirements
Per university regulations, students must complete all requirements for the degree within eight calendar years from the beginning of the first course.

Students may transfer up to 12 semester hours of credit from a regionally accredited institution, providing such credit is acceptable to the student's major department and approved by the student's advisor in advance. The grade in each transfer course must have a minimum grade of *B*.

Some graduate programs in education have prerequisites that include teacher certification.

All candidates for the Master of Arts in Education degree should consult with appropriate program faculty for specific program course requirements.

Requirements for all master's programs include:
• a grade average of *B* with no course accepted with a grade lower than *C*; and
• completion of all requirements for the degree within eight calendar years from the beginning of the first course (per university regulations).

Candidates may be required to pass a comprehensive examination developed and administered by the appropriate academic department and/or receive a pass on a professional portfolio or capstone project.

Upon admission to the program, an advisor will be assigned to guide the student's work. During the first semester of study, the student must submit a program of study that has been planned with the assigned advisor. The program of study must be approved by the student's advisor and the collegiate coordinator of graduate programs and filed in Teacher Education Services during the first semester of study.

Requirements for all post-master level programs include
• a grade average of *B* with no course accepted with a grade lower than *C*;
• a minimum of 15 hours earned at Murray State University; and
• completion of all requirements for the certification program within eight calendar years from the beginning of the first course or experience used in the program.

Admission of Non-Certified Applicants - MAEd in Elementary, Middle, or Secondary Teacher Leader
International applicants with teaching experience and others without a teaching certificate may be admitted to the Teacher Leader master's degree programs. These applicants must submit a resume and a letter of application identifying a program of choice and stating the reasons for interest in the program. NOTE: If admitted, the candidate's advisor will evaluate the candidate's academic and experiential record and professional interests to ensure appropriate course placements. **Completion of a Teacher Leader master's degree on this type of admission will not lead to initial teacher certification or an endorsement.**

Specialist in Education Degrees
The primary purpose of the specialist in education degree is to provide a plan of advanced study with a greater depth of concentration than is possible at the master's level. Each candidate's plan of study is tailored to meet individual and career needs.

Programs leading to the specialist in education degree are offered in school counseling, mental health counseling, school psychology, school administration, elementary education, middle school education, and secondary education.

Admission to graduate study. An individual seeking a specialist degree who is not already a graduate student at Murray State University must apply to Graduate Admissions for admission to graduate study. An individual who has completed requirements for a master's degree at Murray State University must apply for readmission before the individual can be accepted for the specialist in education degree program. In addition, official records of (1) all graduate work, (2) all undergraduate work, and (3) Graduate Record Examination scores, if applicable, must be sent to Graduate Admissions.

Requirements for Admission

In addition to Murray State University requirements (see *Graduate Admissions*), depending on the program, an applicant may need:

• a master's degree or acceptable alternative from a regionally accredited college or university;
• basic graduate courses in the areas of educational research, educational foundations, and curriculum if applicable;
• one year of successful experience in a certified position in an educational setting;
• evidence of satisfactory scholarship;
• selection of an appropriate concentration;
• a satisfactory score on the aptitude section of the Graduate Record Examination, if required by the program;
• approval by the graduate faculty in the concentration; and
• a valid teaching certificate (where required).

Other Degree Requirements

In addition to other Murray State University requirements (see *Academic Degree and Programs*), additional requirements for most post master's degree programs include a grade average of *B* with no course accepted with a grade lower than *C* and completion of all requirements for the degree within eight calendar years from the beginning of the first course (per university regulations).

Committee. The student's committee will be appointed by the collegiate coordinator of graduate programs during the first semester of work on the specialist in education degree. Until the committee is appointed, the chair of the department or a designated representative will act as the student's program advisor. This committee, in consultation with the student, will develop a plan of study and will guide the student's specialty study.

Specialty study. Specialty study (3-6 hours of credit) must embody the results of a study directly related to the candidate's area of concentration. The form and style requirements of the specialty are described in Guidelines for the Preparation of Master's Thesis or Specialty Paper available from the Office of Graduate Education.

The specialty study topic must be approved by the student's committee after which the student may enroll for ADM/CNS/EDU 798.

Doctor of Education Degree

Refer to the *Department of Educational Studies, Leadership and Counseling* for doctorate degree information, admission requirements, and program listings.

Department of Adolescent, Career and Special Education

Chair: Barbara Washington
Faculty: Buttrey, Clemson, Gomez, Holland, Mahoney, Merimee, Parr, Umstead, Washington

3200D Alexander Hall
(270) 809-2538

The Department of Adolescent, Career and Special Education offers certification preparation programs for middle and secondary school teachers in a variety of disciplines. Areas are offered in business and marketing education, family and consumer sciences education, health and physical education, occupation-based program, engineering/technology education, learning and behavior disorders (elementary school, middle school, and moderate to severe disabilities), and middle school education. The department provides minor programs in athletic coaching, family and consumer studies, general special education, and health and physical education. Bachelor of Arts, Bachelor of Science, and Associate of Science undergraduate degrees are offered. A non-certification degree in health and physical education is also available.

A student may complete a Master of Arts in Education in career and technical education and special education. In addition to the master's programs, The specialist degree is offered at the middle school and secondary school levels.

The department's faculty have all gained recognition for their quality teaching, research, and service to the public schools. Most full-time faculty hold doctoral degrees and have extensive teaching experience. Several of the intercollegiate athletic coaches teach departmental courses related to the sports they coach.

Upon completion of the certification, major and/or area programs students are eligible for certification. Undergraduate programs support national standards within the various disciplines and are accredited by the Council for the Accreditation of Educator Preparation and graduate programs are accredited by the Kentucky Educational Professional Standards Board.

All programs are housed in Alexander Hall. As needed, other university facilities are used. The career and technical education program makes use of various technology classrooms outside of Alexander Hall. Meaningful field experiences are a part of each of the certification programs.

Department of Community Leadership and Human Services

Chair: Paul Lucko
Faculty: Brookhiser, Cassity-Caywood, Chakradhar, Ferreira, Hancock, Hepworth, Meriedeth, Pittman-Munke, Wylie

108 Carr Health Building
(270) 809-6802

The Department of Community Leadership and Human Services offers areas in criminal justice and social work, majors in criminal justice, and minors in criminal justice, juvenile justice, and social welfare.

Criminal Justice - The criminal justice program affords students a broad-based overview of the criminal justice system and its components as well as the ability to specialize in an area of the student's interest. Through the choice of electives, students can emphasize policing, corrections, the nature of crime, and crime causation. Criminal justice graduates are prepared for a variety of professional careers as well as graduate studies in criminal justice or law.

Social Work - The primary purpose of the social work program is to prepare students for entry-level professional generalist practice as social workers in a variety of social service agencies and organizations. To accomplish this purpose, a well-developed curriculum is offered that is responsive to the social problems and issues confronting society today, and that provides students a stimulating and provocative approach to preparing themselves for a social work career.

Note to Auditors: Students who desire to take a CRJ course without a grade (for no credit) may do so if such an audit is approved by the course professor in writing by the last day to add a course. If a student is having trouble with a course and is expecting to fail the course, it should be dropped before the drop or withdrawal deadline to secure a *W* grade. If a student changes from normal grade to audit after the first week of class, all course work must still be completed and full attendance is expected. The audit will turn into an *E* (failing final grade) if the student receives less than a *D* as the final grade.

Department of Early Childhood and Elementary Education

Chair: Lynn Patterson
Faculty: Banks, Bloodworth, Branch, Fort, Grant, Hendrith, Islam, Park, Patterson, Schwenck, Vigil

3201 Alexander Hall
(270) 809-2500

The Department of Early Childhood and Elementary Education prepares early childhood and elementary school teachers. Students completing one of the programs of study will be certified to apply to teach in an early childhood setting or in an elementary school. The undergraduate programs are accredited by the Council for the Accreditation of Educator Preparation (CAEP) and the Kentucky Education Professional Standards Board. The graduate programs are accredited by the Kentucky Education Professional Standards Board.

The interdisciplinary early childhood education program prepares graduates to provide early intervention, care and educational services for infants, toddlers, preschool, and kindergarten children with and without disabilities and their families. The program includes courses in university studies, special education, early childhood, child development, and professional education. Center-based programs and public schools provide clinical experiences for majors.

The elementary education program prepares students to teach in elementary schools, kindergarten through fifth grade. Students are certified to teach all regular content areas to K-5 children. The four-year preparation program includes courses in University Studies, professional education, and elementary teaching methods. Students interact with children in local schools during the professional education courses taken each year of the program.

In addition to undergraduate degrees, the Department of Early Childhood and Elementary Education offers several Master of Arts in Education programs in interdisciplinary early childhood education and reading/writing: literary specialist endorsement P-12. Students may also earn a Specialist in Education degree or an endorsement in Instructional Computer Technology.

Each of the master's programs provides for the renewal of the provisional teaching certificate and advancement to Rank I or Rank II classification. Interdisciplinary Early Childhood Education majors may seek initial certification at the graduate level by meeting all teacher education admission and student teaching requirements.

Catalog

Department of Educational Studies, Leadership and Counseling

Chair: Susana Bloomdahl
Faculty: Bourke, Brogan, Chapman, L. Clark, T. Clark, Dodson, Dunham, Littlepage, Patel, Pender Baum, Pharis, Simons, Wilson, Wu, Xu

3201 Alexander Hall
(270) 809-6471

The Department of Educational Studies, Leadership and Counseling offers a bachelor of arts/bachelor of science program in Human Services and a full range of graduate programs in leadership and counseling. The programs, which range from a master's degree to a Doctor of Education, are fully accredited and designed to provide candidates with the highest quality experiences. Program areas are (1) postsecondary education administration; (2) school administration, including school principal, supervisor of instruction, director of special education, director of pupil personnel, and superintendent; (3) school counseling, (4) school psychology, including individual intellectual assessment endorsement; (5) clinical mental health counseling; (6) human development and leadership; and (7) library media.

Center for Communication Disorders

Academic Director: Barbara Washington
Faculty: A. Brown, S. Brown, Coulter, Schaaf, Smetana, Vaughn, West

125 Alexander Hall
(270) 809-2446

The Center for Communication Disorders is comprised of pre-professional undergraduate and professional graduate training and programs. Degrees offered in this program include a Bachelor of Arts and Bachelor of Science in Communication Disorders and a Master of Science in Speech-Language Pathology. Students in the undergraduate communication disorders program are encouraged to study abroad.

The Master of Science in Speech-Language Pathology at Murray State University is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association, 2200 Research Boulevard, #310, Rockville, MD 20850, 800-498-2071 or (301) 296-5700. The graduate program leads to certification by the American Speech-Language-Hearing Association and to Kentucky state licensure in speech-language pathology.

Requirements for Undergraduate Program Admission
Students may not enroll in 400-level CDI classes until they have been admitted to the undergraduate communication disorders program. To be admitted to the program, students must earn a *B* or better in CDI 275, have an overall grade point average of 3.00 or better, and have completed 40 semester hours. Once admitted to the program, the student must maintain an overall GPA of 3.00 and an area GPA of 3.00. Any student whose GPA falls below this minimum may not continue in the area until the GPA requirements are met.

Post-baccalaureate Admission
Students who have earned a bachelor's degree in another field may apply to take undergraduate prerequisite courses for Murray State University's Graduate Program in Speech-Language Pathology. The application process is competitive, as a limited number of postbacc slots are available each year. The admission process is rolling, but students seeking to start in the fall should apply by May 15th. Admission is based on a student's potential for successful completion of a graduate program in speech-language pathology. Students who complete MSU's post-baccalaureate program are not guaranteed admission into MSU's Graduate Program in Speech-Language Pathology. Post-baccalaureate application requirements include: a completed program application, an undergraduate GPA of 3.2 or greater, current GRE scores, and a personal statement.

College of Humanities and Fine Arts

David Balthrop, Dean
100 Faculty Hall
(270) 809-6937

Mission

The College of Humanities and Fine Arts strives to foster awareness and appreciation of the humanities, fine arts, and social sciences among students, the university community, and the public. The College is a learning community dedicated to the pursuit of knowledge and its application through civic and professional leadership. Students and faculty members act as advocates for the humanities, fine arts, and social sciences in a variety of ways, ranging from teaching and scholarly work to performance, exhibition, and consultation. To this end, the College actively promotes research and creative activities among its faculty and students.

The College seeks to provide a personalized learning experience promoting the free and rigorous pursuit of knowledge, respect for differing points of view and cultures, appreciation of personal expression in all its artistic forms, awareness of the role of an educated citizenry in a democratic society, and understanding of the role values play in thought and action. The College aims to develop students who think critically and creatively, communicate effectively, and participate actively in their communities. Thus, the College of Humanities and Fine Arts is committed to preparing well-educated, thoughtful, and contributing citizens of the world.

Programs

The College of Humanities and Fine Arts consists of the departments of Art and Design; English and Philosophy; Global Languages and Theatre Arts; History; Music; Political Science and Sociology; and Psychology.

Undergraduate degrees offered are Bachelor of Science (BS), Bachelor of Arts (BA), Bachelor of Fine Arts (BFA), Bachelor of Music Education (BME), and Bachelor of Music (BM). Graduate degrees are Doctor of Arts (DA), Master of Arts (MA), Master of Fine Arts (MFA), Master of Music Education (MME), Master of Public Administration (MPA), and Master of Science (MS). Murray State University is an accredited institutional member of the National Association of Schools of Art and Design, the National Association of Schools of Music, the National Association of Schools of Theatre, and the Master's in Psychology and Counseling Accreditation Council.

The College offers programs in the traditional humanities (English, history, and global languages); social sciences (political science and sociology); and behavioral science (psychology). The fine and performing arts (art, music, and theatre) offer traditional and contemporary programs in their disciplines through studio and classroom courses, performances, gallery events, and ensembles. Additionally, the college encourages all students to

participate in the cultural and artistic life of the campus through creative writing colloquia, poetry readings, exhibitions, and participation in music ensembles, theatrical productions, marching band, and/or choral groups. The college offers a variety of innovative arts, humanities, and social science courses through the institution's University Studies curriculum. English composition and the two interdisciplinary core courses, World Civilizations and Humanities, are integral parts of preparing every Murray State student to communicate effectively; to engage in sound analysis and make logical decisions; to understand the world's historical, literary, and philosophical traditions; to understand cultural diversity and competing economic and political systems as well as complex moral and ethical issues; and to become responsible citizens in a democratic society, all of which are desired characteristics of the Murray State graduate.

The college serves as the cultural heart of the university and the region by providing a broad range of cultural and intellectual programs. Campus and regional community members are encouraged to attend college events. Distinguished college faculty engage actively in teaching, scholarly/creative activity, and service. The college is committed to service to the community through its role in teacher education and involvement with the public schools. The English and Philosophy department sponsors the MSU Reading Series and the Murray Shakespeare Festival. The Global Languages and Theatre Arts Department sponsors the Cinema International as well as the several theatrical performances each academic year. The Department of Political Science and Sociology annually sponsors the Harry Lee Waterfield Distinguished Lecture in Public Affairs.

In addition, the college offers students rich opportunities for experiential learning. Several departments in the college offer professional engagement courses to help students make connections between humanities and fine arts content and application of skills in real-world settings. In addition to course-embedded experiential learning, particularly in the fine arts studio courses and lessons, the college emphasizes undergraduate research; service learning; internships; education abroad; and co-curricular experiences, such as through Mock Trial, Model United Nations, and the literary magazine *Notations*. MSU is a member of both the Kentucky Institute for International Studies and the Cooperative Center for Study Abroad consortia of public and private universities offering study-abroad programs in numerous international destinations. Many college faculty are also involved in foreign travel and study through MSU's Signature Education Abroad and Discover programs.

For graduate study, the college offers a doctorate in English and master's degrees in creative writing, English, history, music education, clinical and general experimental psychology, public administration, and teaching English to speakers of other languages (TESOL). The college also supports the Master of Arts in Education in Secondary Education. Graduates of programs in the college pursue a variety of careers. In addition to teaching, graduates are employed in business, communications, government, law, the ministry, psychology, and a variety of private and social agencies, as well as international governmental and non-governmental organizations. Careers available in the fine arts fields include performance (vocal, instrumental, and theatrical); design; web design; graphic communications; and art, museum, and theatre management. All programs follow the liberal arts model of preparing students broadly for a rapidly changing job market. Students are prepared to communicate effectively, think critically, develop the analytical skills necessary to solve problems, learn on their own, understand human behavior, and imagine

alternative ways of viewing problems. Several of the programs in the college provide excellent preparation for a career in law.

Departments and programs of the College of Humanities and Fine Arts are housed in five buildings on the main campus: the Price Doyle Fine Arts Center, Faculty Hall, Visual Arts Building, Wells Hall, and Wilson Hall. The college also utilizes the Lindsey Costume House.

Department of Art and Design

Chair: Christopher Lavery
Faculty: Beaver, Bryant, Gamble, Hand, Herzberg, Lavery, S. Martin, T. Martin, Mužina, Pang, Smetana, Utgaard, Williams

604 Price Doyle Fine Arts Center
(270) 809-3784

The Department of Art and Design provides a broad range of programs and professional opportunities for students preparing to work as practicing artists, craftspersons, and designers; for careers in art education and museum studies; and for graduate study in art, art education, and art history. The Department of Art and Design offers the Bachelor of Fine Arts in Studio Art; the Bachelor of Fine Arts in Graphic Design; the Bachelor of Art and the Bachelor of Science degrees in Studio Art; and the Bachelor of Fine Arts and the Bachelor of Art degrees in Studio Art-Enhanced Art History. The Bachelor of Fine Arts, the Bachelor of Art, and the Bachelor of Science degrees in Art Teaching Certification are available to undergraduate students within each degree as a track requiring only an additional year of study. Degree candidates are certified to teach art in kindergarten through grade 12.

Areas of studio emphasis include ceramics, drawing, graphic design, intermedia, metalsmithing, painting, photography, printmaking, sculpture, and woodworking; non-studio areas include art education and art history. Furthermore, minors are offered in studio art, art history, and fine art photography; and certificates are offered in community-based art education, fine art photography, and game design. In addition art history is offered as an area of emphasis within the liberal arts degree. A number of departmental courses are also included in University Studies: art and visual culture, three introductory courses in art history, and studio art for non-majors.

The curricular structure of each degree program is organized to encourage students to study and explore a variety of media and techniques upon which later specialization may be based in the areas listed above. At the intermediate and advanced levels, students are encouraged by faculty to express their own personal direction and ideas and to establish professional standards through the exhibition of their work. The culmination of the student's undergraduate study is the experiential learning of a required capstone senior exhibition.

The Department of Art and Design actively supports personal and artistic growth of its students by promoting the Institute for International Studies, which offers a variety of study abroad opportunities for MSU art students, and

the National Student Exchange. Students can also complete off-campus internships at a variety of art institutions that augment their educational experience. The Department of Art and design also supports student travel to attend lectures, workshops, and conferences for scholastic and professional development.

The Department operates a network of galleries on campus: the department's Clara M. Eagle Gallery, located in the Price Doyle Fine Arts Center, includes the main gallery and the Mary Ed Mecoy Hall Gallery on the sixth floor, as well as an upper gallery on the seventh floor. The galleries exhibition schedules include regional, national, and international artists, as well as the department faculty and alumni and the community at large. Every Spring, a juried exhibition of student work, organized by OMAS (Organization of Murray Art Students), fills the main Clara M. Eagle Gallery space and caps the academic year. Furthermore, the Visiting Artist program brings in regional/national/international artists for workshops and public lectures throughout the school year.

Studios in all areas are well-equipped with traditional and contemporary technologies (3D printer, laser cutter, CNC router, vinyl cutter, two state-of-the-art Mac labs, etc.), providing maximum opportunities for students to pursue their interests. The Art and Design classrooms and studios are located in the Price Doyle Fine Arts Building, Old Fine Arts Building, and the Visual Arts Building. Advanced undergraduate students are provided personal studio spaces.

Each summer, the department also organizes a residential Summer Art Workshop for high school students.
NOTE: A minimum grade of *C* must be achieved in all courses with the ART prefix that are applied to art area degree requirements. All courses with the ART prefix that serve as prerequisites require a minimum grade of *C* before the next course in a sequence may be taken.

2+2 Agreement with WKCTC/PSAD
The West Kentucky Community and Technical College (WKCTC) - Paducah School of Art and Design (PSAD) and Murray State University (MSU), in order to contribute to the development of a seamless postsecondary education system for the citizens of Kentucky and to promote the transfer of credits and increasing the educational opportunities for the students of Kentucky, established an agreement to allow students with an Associate in Fine Arts (AFA) Degree in Visual Art at WKCTC/PSAD to more easily achieve a Bachelor of Arts (BA), Bachelor of Science (BS) or Bachelor of Fine Arts (BFA) Degree in Art or Art Education and the Bachelor of Fine Arts (BFA) in Graphic Design at Murray State University. For additional information contact the Department of Art and Design.

Scholarships

Scholarships and grants-in-aid are available to qualified art students. For additional information refer to the scholarship section of this Bulletin or contact the scholarship person in the Department of Art and Design.

Accreditation

Murray State University is an accredited institutional member of the National Association of Schools of Art and Design (NASAD). Teacher certification programs are also accredited by the National Council for Accreditation of Teacher Education (NCATE).

Credit by Examination

The credit by examination programs in which the MSU Department of Art and Design participates are the Advanced Placement Program of the College Board (APP), the departmental challenge examination, and the non-credit placement examination. Test results are subject to evaluation prior to credit approval. For additional information contact the department chair.

Department of English and Philosophy

Chair: M. Sue Sroda
Faculty: Adair, Amburgy, Arneson, Bell, Binfield, Black, Brown, Carthell, Claywell, Cobb, Cooper, Crofton, Cyzewski, Dawkins, Easterling, Edminster, Goggins, Horton, Jerrell, Johns, Jones, Mattson, McIntosh, Morgan, Muenzberg, Neelon, Nielsen, Osborne, Phillips, Panchuk, Roulston, Song, Trites, Walker, Wier, Xia

7C9 Faculty Hall
(270) 809-2401

The Department of English and Philosophy helps students explore the world of words and ideas while preparing for a variety of creative and dynamic careers. Students majoring in the department's programs can look forward to success in fields such as creative writing, technical writing, business, publishing, teaching, law, and journalism. Through their studies at Murray State, English and Philosophy majors gain the flexibility of a well-developed mind, a facility with the power of language, and the analytical skills employers want.

To reach their goals, students may choose from a number of areas, tracks, and minors. Note: Each track program described below—Literature Track, Creative Writing Track, English/Philosophy Track, and three English Education tracks—shares a core of courses.

English Teacher Certification Programs

English Teacher Certification Programs help students develop the skills needed to succeed as teachers in the classroom. The programs work in conjunction with the College of Education and Human Services to prepare students for certification as elementary, middle, and secondary school teachers. The department offers the BA within the English/Education area and the BA in Teaching English to Speakers of Other Languages. A minor in English Education is also offered.

Creative Writing Program

The Creative Writing Program helps students prepare for careers in editing, publishing, law, advertising, journalism, and communications, in addition to helping them grow as practicing poets and/or fiction writers and teachers of creative writing. Students may earn a BFA in Creative Writing degree or a BA in English/Creative Writing track. A minor in creative writing is offered as well.

Literature Program

Literature Program students examine the fiction, poetry, drama, and film of a wide variety of traditions, from ancient to contemporary. The program helps students develop a broad sense of literature, focusing on both traditional and non-canonical writers in English. The BA degree in English/Literature is available, as well as minors in literature and rhetoric.

Philosophy Program

Students enrolled in the Philosophy program explore the historical trajectory of philosophical thought and its current applications in many professional and academic fields. Philosophy is a critical and reflective discipline, the study of which strengthens students' evaluative and moral reasoning skills, and prepares students to succeed in future endeavors such as the arts, law school, seminary, medicine, business, computer science, and education. Students may earn a BA or BS degree through the Literature/Philosophy Track.

Graduate Programs

The Department of English and Philosophy offers the Master of Arts in English (with concentrations in literature, English education, and English with philosophy as a cognate discipline); a Master of Arts in Teaching English to Speakers of Other Languages (TESOL); a low-residency Master of Fine Arts in Creative Writing; a certificate in Gender Studies and courses toward an English specialization in the Master of Arts in Education (secondary education) degree.

For even more advanced study, the department has created the innovative Doctor of Arts in English Pedagogy (with specializations in teaching literature, teaching writing, and K-12 language, language arts and literacy).

Department of Global Languages and Theatre Arts

Chair: Brent Menchinger
Faculty: Barnett, Crider, Fritz, Graham, Harrison, Hatakeyama, Kane, Ortega, Phillipy, Picech-Reisinger, Post, Riegler, Romero-Gonzalez, Saint Paul, Walsh, Wu

Global Languages: 4A Faculty Hall (270) 809-2501
Theatre Arts: 106 Fine Arts Building (270) 809-4421

The Department of Global Languages and Theatre Arts at Murray State University provides high-quality liberal arts programming specializing in opportunities in language, theatre, and education abroad. The Department of Global Languages and Theatre Arts prepares Murray State students for an array of career opportunities by offering courses in languages and theatre. The courses in both disciplines increase the cultural and linguistic awareness of students and prepare them for future study and employment. The study of languages and theatere gives students significant practical advantages for employment through cross-cultural experiences necessary in today's world. Our department creates an environment where students learn to respect people of other cultures and understand their responsibilities as global citizens.

Creativity, flexibility, and individual attention characterize the programs. The department's facilities include modern offices and classrooms; the Language and Culture Resource Center (a multimedia lab providing students with computer-assisted learning tools); a dance/acting studio and, two performance spaces—Robert E. Johnson Theatre (344 seats) and the Actor's Studio Theatre (55 seats).

Our Global Language program (Spanish and Japanese) are designed to provide future employers with workers who are proficient in a foreign language and are able to use their multi-cultural awareness and linguistic skills in different career fields such as business, education, healthcare, journalism, law, etc.

With the addition of Teaching Certification to the Global Language program, students can become qualified to teach in Kentucky K-12 schools.

Global Language Translation and Interpretation students will be trained for one of the fastest-growing areas of who are proficient in a foreign language and are able to use their multi-cultural awareness and linguistic skills in different career fields such as business, education, healthcare, journalism, law, etc.

The Culture and Language Studies program (Chinese Studies, French, and German) allows students to become proficient in the oral and written traditions of a language while at the same time exploring history, art, literature, geography, religions, and archeology.

The department of Global Languages and Theatre Arts also offers certificates in a variety of Languages and Cultures (Chinese, French, German, Japanese, Spanish, and Portuguese) which allows those who wish to be recognized for their language abilities while studying in other majors or minors.

Our Theatre program offers a well-rounded approach to theatre providing instructional and performance opportunities in performance, dance, history, directing, technical theatre, and design. Our production seasons consist of 5-6 productions each year.

Our Musical Theatre track provides additional instruction in voice, keyboarding, and music theory in partnership with the Music Department.

Our Theatre/Film track provides an interdisciplinary approach in instruction with Theatre, TV/Production, Film Studies, and Art Photography.

The Department of Global Languages and Theatre Arts strongly recommends that all majors and minors study abroad. Murray State University offers programs in a number of countries. Through MSU signature education abroad events, the Kentucky Institute for International Studies (KIIS), The Cooperative Center for Study Abroad (CCSA), and other programs available to students, the department strives to fulfill student's goals in study abroad.

Students may participate in several organizations in the department including Alpha Mu Gamma (national honorary language society), Alpha Psi Omega (national honorary dramatic society), ICALA (International Cultures and Languages Association (Foreign Language student organization)), and Sock and Buskin (theatre student organization).

Placement

All students new to the language programs at Murray State are required to take a placement exam to determine at which level of their language they should begin (102, 201, 202, 301, etc.). This exam will be required of all students with prior language experience, including native speakers. The Placement Exam can be taken on-line by accessing the Department of Global Languages and Theatre Arts webpage.

If a student has previously acquired knowledge of the languages taught at MSU, a maximum of 12 college credits may be awarded. The awarding of credit will be based on the applicant's success in any of the following: The Departmental

Challenge Process; The CLEP Examination; or, The Advanced Placement (AP) Examination.

Scholarships

Scholarships are available to qualified students who major in global languages or theatre. For additional information, contact the department chair.

Participation

To enable theatre students to acquire the necessary skills, each theatre major is required to participate in no less than 12 faculty-approved productions prior to graduation. Enrollment in THD 106/112 as required by every theatre major and minor to track their participation.

Theatre Majors and Minors are expected to attend all theatre mainstage productions when not actively participating in technical rehearsals or performances.

Department of History

Chair: Kathy Callahan
Faculty: Belue, Bolin, Callahan, Clardy, Engineer, Gao, Hilton, Humphreys, Irvin, Lindner, Mulligan, Pizzo, Rashid, Rivera

6B Faculty Hall
(270) 809-2231

Department of History course offerings support University Studies requirements, provide concentrations in American, European, and global history for a major or minor, and prepare students for secondary certification.

The department contributes substantially to the world civilizations and culture courses and offers electives, the American Experience, Understanding Global History, and Modern Europe, which meet University Studies requirements in several categories. These University Studies courses encourage students to appreciate the diverse paths humans have taken to the present as well as their own distinctive cultural heritage.

Specialized instruction for undergraduate majors and minors in history is intended to develop knowledge of the past and the skills of critical inquiry necessary for careers in teaching, the professions, government and business. Many students are currently combining a major in history with a major in other fields. The department also serves as a home for the Religious Studies minor.

The Master of Arts in History provides excellent preparation for doctoral work in history, for law school, or for other professional and graduate education. The history MA is also excellent preparation for careers in government, public and private agencies concerned with history, and any career requiring research, analytical and writing skills. It also enables teachers to meet Rank II certification in Kentucky public schools.

Department of Music

Chair: Lucia Unrau
Faculty: Almquist, Black, Blanco, Carter, Crawford, Cumming, D'Ambrosio, Eckroth-Riley, Erickson, Field, Gianforte, J. Hill, T. Hill, Johnson, Kane, Kuang, McCann, Mitchell, M. Park, S. Park, Patton, Rea, Stemke, Swisher, Unrau, Webster

504 Price Doyle Fine Arts Center
(270) 809-4288

The Department of Music at Murray State University is dedicated to maintaining a tradition of excellence in the programs it offers, the performances it presents, and the music professionals it graduates. The department seeks to enrich and engage the campus, community, and region through its performances and educational programs.

The department strives to provide educational opportunities that prepare students to make meaningful contributions in the world as performers, composers, teachers, scholars, and leaders in the music profession; to nurture and develop its students' musical and intellectual abilities; to expand the understanding and impact of the art of music by promoting performance, composition, and research; to promote music's therapeutic value in addressing physical, emotional, cognitive, and social needs of individuals; to build professional leadership and entrepreneurship skills in its music majors; to educate the university student population about music's intrinsic value as a part of the human experience and its central role in human culture by providing courses and performance opportunities for all MSU students; to be a musical resource for area children and adults, including teachers and other professionals; and to be a visible and active center for the arts, enriching the cultural life of the campus and the region.

Undergraduate degrees offered in the department are the Bachelor of Arts, Bachelor of Science, and the Bachelor of Music. The Bachelor of Music degree program offers tracks in composition, performance, and music education. The Bachelor of Science is offered in music and music business. Academic minors in music and in music theatre are also available.

In addition to admission to the University, prospective music major and minor students must be admitted to the Department of Music academic programs through a qualifying audition in their performance area. Contact the department for further information. **Note:** Performance proficiencies in applied music must be passed after the second and fourth semesters of study to remain

in the program and to progress to the next level of applied lessons. A minimum grade of *C* is required for graduation in all music courses, including ensembles, specifically required by the music degree being pursued.

The degree programs reflect a core of basic musicianship and general study needs common to all musicians. The attendant specialized courses help students develop and refine competencies toward careers in teaching and performing as well as other specific interests.

The general college student (non-music major) is encouraged to continue or develop music interests and involvements through participation in performance groups, attendance at performances, and by taking a wide variety of courses open to the non-major.

Music facilities in the Price Doyle Fine Arts Center include recital halls, rehearsal halls, computer-lab and digital synthesis, keyboard laboratories, practice rooms, repair facilities, recording studio, specially equipped classrooms, and storage facilities.

Accreditation

The Department of Music has been an institutional member of the National Association of Schools of Music since 1936. Degree programs are arranged in conformity with the requirements of the National Association of Schools of Music.

Scholarships

Grants-in-aid and scholarships are available to the music major and, in some cases, for non-major music participation.

Graduate Degree

The Department of Music offers the Master of Music Education (MME) degree. The MME degree seeks to serve teachers with opportunities to continue their professional growth, refining and extending their skills and knowledge beyond the baccalaureate level. The program provides leadership, enrichment, and resources for music professionals. As an added convenience, the MME is now offered in a hybrid format, combining online and face-to-face instruction.

Department of Political Science and Sociology

Interim Chair: Drew Seib
Faculty: Alkhatib, Clinger, Elliott, Foote, Hendley, McCutchen, Morelock, Morrison, Nititham, Oliver, Polizzi, Rosenberger, Seib, Yang

5A Faculty Hall
(270) 809-2661
government@murraystate.edu

Curricula of the department afford enough specialization and career education to prepare students for enrollment in professional and graduate programs, or for participation in various occupational classifications immediately upon graduation. Students completing baccalaureate programs in the department will be granted either the Bachelor of Arts or the Bachelor of Science degree. Major programs are offered in political science, international studies, and sociology. Minor programs are offered in political science, international studies, legal studies, social science, and sociology.

The Master of Public Administration program provides education and training for professional careers in government agencies and non-profit organizations. Graduates of the program are now successfully pursuing careers as city managers, public works directors, regulatory officials, criminal justice professionals, public human resource administrators, and military and diplomatic officers, as well as other professions. Classes are offered at a variety of locations and through a variety of formats. Some courses are offered on-line as well as through interactive television (ITV) format that reaches the MSU campuses in Paducah, Henderson, Madisonville, Fort Campbell, and Hopkinsville.

The Department of Political Science and Sociology provides several avenues to professional and academic competence. Besides specific courses preparing students for a broad variety of occupational choices in international studies, politics and public administration, and legal studies, University Studies classes furnish an opportunity for students to become more familiar with the international environment and the American political system. The department functions in close harmony with other academic units across campus and draws from other programs to complement its offerings. Pre-law advising and law school placement services are coordinated by the legal studies component within the department.

Graduates of the programs must demonstrate oral and written communication skills which follow the conventions of standard English usage and meet the

criteria for clarity, organization, development and thoughtfulness; must have acquired a basic understanding of research methodologies, i.e. the use of statistical analysis and computer applications; and should have acquired an understanding of the basic concepts, systems and problems of their discipline in particular and liberal arts education in general.

Department of Psychology

Chair: Paula Waddill
Faculty: Bordieri, Cushen, Hackathorn, Jordan, Joyce, Liljequist, Malm, McCue, Rife, Wann

212A Wells Hall
(270) 809-2851

The Department of Psychology provides a liberal arts-oriented program of studies that covers the many topics of the broad discipline of psychology and leads to either the Bachelor of Arts or the Bachelor of Science degree. A track in applied behavior analysis is also available. The curriculum is designed to enable students to (1) become knowledgeable about the basic principles of behavior, (2) acquire research and problem-solving skills, and (3) learn how psychological knowledge can be applied to promote human welfare. The department also provides a minor in cognitive science as well as a flexible minor in psychology which can be combined with majors in other fields to provide students in those fields an appropriate background in psychology.

Completion of the psychology major prepares the student for a variety of occupations in which an understanding of human behavior is important (e.g. public relations, personnel management, social welfare, mental health, geriatrics, parenting and family relationships). This major serves as a good background for entry into graduate study in psychology as well as other professional fields that have a strong psychological dimension or require a knowledge of behavioral science research techniques including medicine and law.

The Department of Psychology offers both the Master of Arts and the Master of Science degree in general experimental psychology and in clinical psychology. A joint objective of both graduate programs is to provide graduate study whereby the student can seek career opportunities in governmental agencies, teach in two-year colleges, or pursue doctoral-level study in psychology or related fields. An additional objective of the program in clinical psychology is to train the student in the areas of psychodiagnostics and psychotherapeutic techniques where these skills can be utilized in a community setting to include comprehensive care centers, schools, and mental hospitals.

The department's physical facilities include laboratories which are equipped for research and a computer laboratory. In addition, the Psychological Center, operated by the department, serves as a training facility for graduate students and as a mental health resource for referrals from university and community

agencies. The center, located in Wells Hall, has facilities for psychological testing and therapy.

Jesse D. Jones College of Science, Engineering and Technology

Claire Fuller, Dean
201A Collins Center for Industry and Technology
(270) 809-2888

The departments in the Jesse D. Jones College of Science, Engineering and Technology have a proud history of preparing students for careers in biology, chemistry, earth and environmental sciences, engineering, engineering technology, industrial technology, mathematics, occupational safety and health, physics, statistics, sustainability science, and cybersecurity and network management.

The college's faculty are talented educators who make quality instruction a priority. They make themselves accessible to students and help them achieve their academic, professional, and career goals. Faculty continuously refine the curriculum which ensures that our degree programs are current and timely in addressing the needs and expectations of our students. The faculty are also recognized scholars who carry out interesting research projects with funding from a variety of national, state, and private agencies. Like some of the finest liberal arts colleges in the country, we use our research programs to enhance the learning environment for our undergraduate and graduate students. Many Murray State students have the opportunity to work side-by-side with faculty to solve some of the most interesting questions facing the scientific community today. Our students, both undergraduate and graduate, have published the results of their research in national journals and presented their work at regional and national conferences. In addition, students at Murray State have the opportunity to gain valuable hands-on experience through our co-op and internship programs. These kinds of experiences give our graduates the edge they need when applying for graduate school, professional school, or when entering the job market.

Our students study in comfortable, modern facilities, including the new Gene W. Ray science campus. The departments of biology and chemistry are housed in two beautiful state-of-the-art buildings,
the Biology Building and Jesse D. Jones Hall. A third building housing the engineering and physics programs complete this attractive campus. The college also enjoys excellent facilities in the Collins Center for Industry and Technology, Faculty Hall, and Blackburn Science Building.

Murray State's designation as a Commonwealth Center of Excellence for Reservoir Research and the Program of Distinction in Cybersecurity and

Network Management adds to our distinctiveness both in the state and in the national and international academic communities.

Your academic experience in our college will be different from that found at many universities. The student-centered faculty, excellent facilities, and attractive curricular tracks offered here will provide you with an education that you will value throughout your life and career.

Programs and Facilities

Program of Distinction in Cybersecurity and Network Management. The cybersecurity and information technology areas, which incorporate cybersecurity technology and information, networks of leading-edge technologies such as fiber optic systems, satellites, and wireless communication are rapidly changing and growing. The changes taking place in this field are dramatically influencing how individuals and institutions communicate and how they conduct business. Technological advances in the cybersecurity and network administration areas have profoundly affected government, retail, finance, health care, education, industry and entertainment sectors. Murray State's exciting program in Cybersecurity and Network Management is helping prepare our graduates to become leaders in this important emerging field.

Watershed Studies Institute. Murray State University hosts one of the five designated Centers of Excellence in the Commonwealth of Kentucky. With funding support from agencies like the National Science Foundation, Department of Energy, Environmental Protection Agency, Tennessee Valley Authority and the Kentucky Department for Natural Resources, Murray State's research program in ecosystem sciences is both nationally and internationally recognized.

The Watershed Studies Institute provides outstanding research opportunities for scientists from around the world to study the region's unique environment. The Institute also provides Murray State University undergraduate and graduate students with an opportunity to engage in hands-on research with faculty who are at the vanguard of ecosystem science.

Three distinct components make up the Institute: the Hancock Biological Station (HBS), the Mapping Applications and Resource Center (MARC), and the Chemical Services Laboratory (CSL). The Institute's primary mission is to provide the infrastructure, support, and intellect for education and research of watershed ecosystems.

•**Mapping Applications and Resource Center.** Since the late 1970s when Murray State was declared the Commonwealth's technology transfer agent for NASA's Landsat satellite, MARC has distinguished itself in the area of remote sensing

and Geographic Information Systems (GIS). Students from around the world have received classroom instruction and have been mentored in research by the MARC Associates, a group of faculty and staff with expertise in a wide variety of application areas, many of which are focused on natural and cultural resource areas including land cover mapping, archaeological site analysis, mineral exploration, water quality and wildlife habitat mapping, emergency preparedness, and demographic modeling. Research projects have been conducted for local, state, and federal agencies, the private sector, and the university. MARC provides training in remote sensing and GIS and acts as a resource center for those within and beyond the university. MARC is one component of the Watershed Studies Institute and, as such, maintains a GIS for the lower reaches of the Kentucky Lake drainage basin.

•**Hancock Biological Station.** A year-round research and teaching facility located on beautiful Kentucky Lake, the Station is one of the finest centers of its kind in the Midwest. HBS acts as the field research focal point for the Watershed Studies Institute and for other universities and the region. The facilities, which include both faculty and student housing, are available year-round to all scientists interested in ecosystem research. Hancock Biological Station contains state-of-the-art laboratories for aquatic chemistry, scanning electron microscopy, ecology, wildlife and fisheries. A full-time technical staff operates the facilities. Field-oriented classes at the station attract students from around the nation. A wide variety of formal classes are offered each summer. These may include ecology, ornithology, limnology, field botany, stream ecology, reservoir ecology, scanning electron microscopy and fisheries and wildlife techniques. Independent research topics provide opportunities for individualized instruction and close interactions with researchers. Classes are open to undergraduates, graduate students, teachers and others interested in enhancing their knowledge of ecology, ecosystems and the natural environment.

•**Chemical Services Laboratory.** The Chemical Services Laboratory offers analytical laboratory services for industries and institutions in the west Kentucky and greater Ohio Valley region. Services include analyses for environmental chemistry, ecotoxicology, trace element, and acid-deposition studies. In addition to serving the needs of the region, this laboratory offers an opportunity for instruction and training at both the undergraduate and graduate levels.

Department of Biological Sciences

Chair: Sterling Wright
Faculty: Arkov, Beckers, Canning, Darracq, Derting, Flinn, He, Jog, Nakamura, Spier, Sullivan-Beckers, Trzepacz, Weinberger, Whiteman, Wright, ZeRuth

2112 Biology Building
(270) 809-2786

The Department of Biological Sciences offers baccalaureate programs with a major in biology (pre-medicine, pre-dentistry, pre-optometry, pre-physical therapy, pre-physician assistant, fisheries, aquatic biology, secondary certification, and watershed science tracks are available) or an area of concentration in wildlife and conservation biology. These programs are designed to prepare students for professional or graduate work in the life sciences, such as the MS in biology offered by the department. Curricula provide students with a basic core of science courses plus advanced biology courses in their particular field of interest. The department also offers a two-year, pre-professional program in pharmacy and a minor in biology.

The department has offices, classrooms, laboratories, and research facilities in the Biology Building and on the second floor of the newly constructed Engineering and Physics Building. The department also has two off-campus resources that are utilized in field-oriented teaching and research programs. One of these, Murphy's Pond, is a 300-acre preserve in Hickman County with one of the few remaining cypress swamps in western Kentucky. The other, Hancock Biological Station, is a modern classroom/laboratory complex located on the western shore of Kentucky Lake, 17 miles from the main campus. The station is ideally located in an area of diverse aquatic habitats and is the focal point for the reservoir research on Kentucky Lake and Lake Barkley.

Department of Chemistry

Chair: R. Daniel Johnson
Faculty: Allenbaugh, Cox, Eder, Fawzy, Graf, Johnson, Loganathan, Miller, Revell, Subedi, Volp

1201 Jesse D. Jones Hall
(270) 809-2584

The Department of Chemistry is certified by the American Chemical Society's Committee on Professional Training. The department offers an area in chemistry or a major with tracks in biochemistry, forensics, polymer and materials science, pre-medical, pre-dental, pre-pharmacy, or teacher certification.

The chemistry area program is designed for students planning careers in engineering, the chemical industry, or for those who plan to pursue graduate study following the baccalaureate degree. Upon completion of this program, graduates are certified as professional chemists. Alumni with the area are well prepared to succeed in nationally recognized PhD programs in chemistry.

The chemistry major program is recommended for students planning careers in medicine, dentistry, veterinary medicine, pharmacy, secondary education, toxicology, or biochemistry.

The department offers a minor in chemistry as well as a Master of Science in Chemistry.

Murray State has nationally recognized chemistry student organizations, the Student Members of the American Chemical Society, the Forensic Science Student Association, and a national chemistry honor society-Gamma Sigma Epsilon.

The department is closely aligned with the Chemical Services Laboratory (CSL), the Watershed Studies Institute (WSI), and efforts to enhance environmental and biomedical sciences at Murray State University.

An excellent undergraduate research program is maintained that allows students to become involved in research projects during their first semester at MSU or later if they so desire. Students present posters or talks each semester at local and/or national meetings.

Students interested in chemistry should contact the chair of the Department of Chemistry, Murray State University, 1201 Jesse D. Jones Hall, Murray, KY 42071-3300, Phone: (270) 809-2584 Fax: (270) 809-6474, or visit our website at www.murraystate.edu/chemistry.

Department of Earth and Environmental Sciences

Chair: Robin Zhang
Faculty: Benson, Busby, Cetin, El Masri, Hong, Ortmann, Stinchcomb, Venter, Witkowski, Zhang

334 Blackburn Science Building
(270) 809-2591

An area in earth and environmental sciences with tracks in archaeology, environmental science, geography and geographic information science (GIS), geology, and earth science teacher certification are provided by the department faculty. Minors are offered in anthropology, archaeology, earth science, environmental geology, geographic information science (GIS), globalization and development, and sustainability studies. In addition, the department offers an MS in Earth and Environmental Sciences and an MS in Sustainability Science. An undergraduate certificate in geographic information science (GIS) and a graduate certificate in geospatial data sciences may also be earned.

In addition to the more traditional curricula, students have access to the Murray State Archaeology Lab, a summer field archaeology school, and the Mapping Applications and Resource Center (MARC), a core entity in the Murray State University Watershed Studies Institute (WSI).

Earth and environmental sciences majors are encouraged to participate in internships and cooperative education experiences. Graduates have outstanding opportunities for employment as archaeologists, planners, cartographers, environmental scientists, geologists, remote sensing/GIS professionals, and other mapping science positions in business, government, and education.

Institute of Engineering

Chair: Danny Claiborne
Faculty: Bahadir, Bunget, Claiborne, Cobb, Crofton, Ford, Giltner, Hereford, Hildebrant, Kemp, Kobraei, Leedy, Lopez, Martin, Okuda, Ottway, Palmer, Payne, Perry, Ridley, Rogers, Schneiderman, Siebold, Thiede, Tubbs, Yarali, Zirbel

263A Collins Center
(270) 809-3392

The Institute of Engineering offers undergraduate programs in engineering, engineering technology, engineering graphics and design, physics and telecommunications systems management. It also offers a graduate program in engineering management.

Murray State University offers a Bachelor of Science in Engineering (BSE) as a major in engineering physics. The Engineering Physics program has four tracks in mechanical engineering, electrical engineering, biomedical engineering, and advanced physics. In all of these areas, students will learn to use advanced analytical techniques in solving engineering problems and will develop the applied background to attack new engineering challenges.

Murray State's Engineering Physics degree is an engineering program accredited by the Engineering Accreditation Commission of ABET (EAC/ABET). This accreditation will place a student on the pathway to become a licensed engineer in Kentucky and throughout the country. Recognition by this organization has been earned by 22 Engineering Physics programs nationwide.

The Institute of Engineering offers strong undergraduate programs in engineering technology, which are: architectural engineering technology, civil engineering technology, construction engineering technology, electromechanical engineering technology, environmental engineering technology, manufacturing engineering technology, and surveying engineering technology. Graduates from these programs are prepared to succeed in a modern industrial environment.

The Institute also offers an engineering graphics and design program. Graduates from this program are able to apply product and process design for products related to manufacturing or mechanical design.

Students interested in physics have two degree options. The traditional physics

major is accompanied by a flexible area in applied physics, where a student can design curricular choices to fit their chosen professional goals. These degrees are well-suited to students desiring teaching certification or intending to pursue graduate degrees or corporate/industrial research positions.

Kentucky's Program of Distinction in Cybersecurity and Network Management is also offered by the Institute of Engineering. This program prepares graduates to work on cutting-edge information technologies related to wireless technology, security, and network administration while also applying concepts toward business decisions and critical strategic planning as it relates to cybersecurity and network management.

Engineering Accreditation

The BSE in Engineering Physics (including all tracks in biomedical, electrical, mechanical and advanced physics) is an engineering program accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org. This accreditation will place a student on the pathway to become a licensed engineer in Kentucky and throughout the country.

Engineering Technology Accreditation

The Engineering Technology Accreditation Commission of ABET (ETAC/ABET) accredits Murray State programs in civil and construction engineering technology. Programs are accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org.

Engineering Technology Accreditation

The Technology Accreditation Commission of ABET (TAC/ABET) accredits Murray State programs in civil and construction engineering technology. Programs are accredited by the Technology Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012. Phone (410) 347-7700.

Professional Licensure

Students interested in pursuing a career as a professional land surveyor must complete courses specified by the Kentucky Board of Licensure for Professional Engineering and Land Surveyors (www. boels.ky.gov). Required courses may be taken as electives by students in the Civil Engineering Technology program under the supervision of an advisor. Students completing Board requirements normally sit for the Fundamentals of Surveying exam in their last semester at Murray State University.

Department of Mathematics and Statistics

Chair: Ed Thome
Faculty: Adongo, Alverson, Donnelly, Donovan, Fister, Gibson, Ivansic, Kramer, Lewis, McCarthy, McKendree, Mecklin, Pathak, Pearson, Porter, Pritchett, Roach, Schroeder, J. Taylor, T. Taylor, Thome, Williams, Yayenie, Zhang

6C9 Faculty Hall
(270) 809-2311

The mission of the Department of Mathematics and Statistics is to engage the larger mathematical community through scholarship and research, to provide our service region with mathematical and statistical support for its educational and industrial objectives, and to equip our students with mathematical skills which they may apply in further degree programs and careers requiring expertise in mathematics. In particular, through our instruction and guidance we endeavor to provide our students with an understanding of mathematical ideas, and the ability to reason mathematically, analyze real-world problems with mathematical techniques and continue to read, learn, and communicate mathematics.

The department offers a major in mathematics, an area in mathematics with secondary certification, a major in mathematics with secondary certification, an area in applied mathematics, and an area in mathematics with a pre-MBA track. In these programs, the student will learn mathematics as a fundamental discipline and as an essential tool in most other disciplines. Mathematics is also quite useful as a minor or second major. Additionally, the common awareness that mathematics is a substantial subject will enhance the prospects of any student who demonstrates a facility with the material. The minors offered by the department are actuarial science, applied statistics, mathematical biology, and mathematics.

Graduates with a major have gone on to careers in teaching, science, and industry. Some have improved their entry-level prospects via graduate study at Murray State and/or in nationally known PhD programs.

The area in applied mathematics will prepare the student for a career in business, industry, government, or academics. The area consists of a core of applied mathematics courses and an 18-hour track in a related field. Each track contains further mathematical training, computer programming experience, and a broad study of a discipline that illustrates applications of mathematics. The program is flexible and, by its interdisciplinary nature, will provide the

student with an understanding and experience in modeling and solving relative problems.

Department of Occupational Safety and Health

Chair: Tracey Wortham
Faculty: Abulhassan, Atieh, Bardhan, Boyd, Byrd, Dada, Keller, Khalil, Morris, Wilbanks

157 Collins Center
(270) 809-2488

The Department of Occupational Safety and Health provides related curriculum offerings at the baccalaureate and master's levels. Service courses are offered for individuals majoring in other fields such as business, science, health, psychology, education, and engineering technology. The department also offers a technical minor and a Master of Science degree, including an online Master of Science program with an emphasis in safety management that is equivalent to the on-campus program. The degree programs are designed to provide the technical and professional knowledge required by individuals pursuing professional careers in accident prevention, loss-control management and supervision, inspection and control of occupational hazards, industrial hygiene, or environmental health and safety.

Hutson School of Agriculture

Tony Brannon, Dean
103 South Oakley Applied Science Building
(270) 809-3328

Broad opportunities for students to prepare for agricultural and related careers are offered by the Hutson School of Agriculture. The Hutson School of Agriculture offers three undergraduate degree programs: a Bachelor of Science in Agriculture (BSA), a Bachelor of Science with a major in Agriculture, and an Associate of Science with an emphasis in agricultural science and technology. Minors are available in agriculture, equine science, golf course management, and unmanned aerial systems.

The Hutson School of Agriculture also offers a Master of Science degree with both traditional and online options. The purpose of this degree is to provide an opportunity for professional agricultural personnel to obtain an education at the graduate level or to prepare for terminal degree work at the doctoral level. Faculty advisors assist students in planning an appropriate course of study to meet individual goals and to assure a balanced program.

The Hutson School of Agriculture includes the Department of Agricultural Science, the Department of Animal and Equine Science, and the Department of Veterinary Technology and Pre-Veterinary Medicine. Agricultural facilities include the farm laboratory complexes, the Cherry Agricultural Exposition Center, and the Breathitt Veterinary Center. The horse, beef, agronomy, and horticulture facilities are a part of the farm-laboratory complexes. The Cherry Agricultural Exposition Center is utilized for equine and rodeo classes, field days, judging contests, clinics, and numerous agricultural activities.

MSU's Breathitt Veterinary Center (BVC), located in Hopkinsville, Kentucky, has as its primary mission the provision of diagnostic data; however, its mission also includes instruction and research. The laboratory is accredited through the American Association of Veterinary Laboratory Diagnosticians. The center's facilities and personnel provide learning experiences for students in the animal health technology program. The BVC also conducts research dealing with infectious diseases of food animals.

Department of Agricultural Science

Chair: Alyx Shultz
Faculty: Ballard, Bellah, Ferguson, Handayani, Hoover, Morrow, Musunuru, Payne, Santiago, M. Shultz, Still

212 Oakley Applied Science South
(270) 809-3327

The Department of Agriculture Science offers a Bachelor of Science in Agriculture with the following tracks: (1) agronomy, (2) agriculture science/agriscience technology track, (3) agricultural education, (4) agribusiness, (5) agriculture systems technology, and (6) horticulture. The agriculture science/agriscience technology track includes emphases in emerging technology, communications/public relations, environmental/ health, agriculture public service/leadership, and agriculture technology.

Facilities for agriculture science include classrooms and labs in Oakley Applied Science South, Howton Agriculture Engineering Building, the West Farm, the Hutson Farm, the North Farm, the Pullen Farm Complex with three greenhouses and environmental center lab, and the agriculture systems technology farm lab.

Department of Animal and Equine Science

Chair: Shea Porr
Faculty: Conner, Davis, Porr, Robinson, A. Shultz, Van Hooser

212 Oakley Applied Science South
(270) 809-3327

The Department of Animal and Equine Science offers a Bachelor of Science in Agriculture with three emphases: (1) food animal, (2) equine science, and (3) equine business management. The department also offers a minor in equine science. Career preparations include the scientific study of feeding, breeding, management and marketing of animals and their products along with the multitude of related businesses and industries. Facilities for animal and equine science include an equine center, rodeo facilities, and a beef cattle complex including a registered Angus herd and stocker calf intensive grazing systems.

Department of Veterinary Technology and Pre-Veterinary Medicine

Chair: Terry Canerdy
Faculty: Canerdy, DeWees, Hoffman, Jones, Papajeski, Provine, Vaughn-Doom

A. Carman Animal Health Technology Center
(270) 809-7001

The Veterinary Technology Program at Murray State University is one of only 25 schools in the nation that offers a fully accredited bachelor of science degree in the area of veterinary technology. Students are also given the track to complete the prerequisite courses required by any of the thirty veterinary schools in the US The program involves hands-on experience with many animal species including small, large, and exotic animals. The program has been continually accredited by the American Veterinary Medical Association (AVMA) since 1986. Facilities for the Veterinary Technology/Pre-Veterinary Medicine program include classrooms and laboratories at the A. Carman Veterinary Technology Center and the university farms. This program is not only academically challenging but provides students the opportunity to gain valuable hands-on experience.

A portion of the veterinary technology curriculum will involve students taking courses, which have been labeled the BVC (Breathitt Veterinary Center) courses that include AGR 340, AGR 400, AGR 410, AGR 420, and AGR 430. Because the Veterinary Technology/Pre-Veterinary Medicine program is an accredited program, available space is limited to ensure the quality of instruction. Registration in BVC courses is based on available openings. The veterinary technology program will make every effort to ensure that students who need BVC courses will be placed, but no guarantee is made that the student will be enrolled during the preferred semester. Applications are due February 1st for the fall term and September 1st for the spring term. Once completed applications are reviewed, students will be notified of their placement into BVC courses by March 1st for the fall semester and October 1st for the spring semester.

The following prerequisites are required for the BVC classes: AGR 310, AGR 322, AGR 332, 329 and eight hours of chemistry. The student must earn a minimum grade of *C* in these courses before being considered. After the prerequisites have been evaluated, the following criteria will be reviewed in order to determine the student's placement into the BVC courses:
• Completed applications were submitted by the appropriate deadline.

• BVC courses are the ONLY classes remaining.
• BVC courses plus one other course are the only classes remaining.
• Unavoidable course conflicts will be evaluated on a case by case basis.
• Once the placed students are enrolled any space available will be given to students on a first-come basis.

The following courses are required by the American Veterinary Medical Association for Veterinary Technician certification: AGR 310, 322, 324, 329, 331, 332, 340, 400, 410, 420, 430, 504, 506, 510, 511, 540, 550, 590, and 599.

School of Nursing and Health Professions

Dina Byers, Dean
121 Mason Hall
(270) 809-2193

The School of Nursing and Health Professions offers many healthcare and health-related degree programs. Baccalaureate degree offerings include the Bachelor of Science in Nursing (BSN), Bachelor of Science in Nursing/RN-BSN, Bachelor of Science in Exercise Science, Bachelor of Science in Nutrition and Dietetics, and Bachelor of Science in Public and Community Health. Minors are available in public and community health, exercise science, and nutrition.

The School of Nursing and Health Professions also offers Master of Science degrees in occupational therapy and nutrition. The Master of Science in Occupational Therapy program is taught at the Paducah Regional Campus in Paducah, Kentucky. The Master of Science in Nutrition is taught online.

The School of Nursing and Health Professions offers the Doctor of Nursing Practice (DNP) degree with two entry points, Bachelor of Science in Nursing (BSN-DNP) and Master of Science in Nursing (MSN-DNP). BSN-DNP students have the option of selecting the nurse anesthesia or family nurse practitioner specialty. MSN-DNP students complete the DNP degree in an all-online format.

Department of Applied Health Sciences

Chair: Miranda Terry
Faculty: Crouch, Dodd, Erdmann, Maghrabi, Molla, Reeves, Roberson, Stanczyk, Terry

408B Applied Science Building
(270) 809-5742

The Department of Applied Health Sciences offers the following programs dealing with health promotion, pre-health professional, clinical practice, and rehabilitation sciences. A Bachelor of Science is offered in exercise science with two tracks available: exercise physiology and pre-health professional. This program prepares students for employment in health-related fields, graduate programs, or to take national certification exams through the American College of Sports Medicine, the National Strength and Conditioning Association, or other recognized entities in related fields.

A Bachelor of Science is offered in exercise science with two tracks available: exercise physiology and pre-health professional. This program prepares students for employment in health-related fields, graduate programs, and/or to take national certification exams through the American College of Sport Medicine, the National Strength and Conditioning Association, or other recognized entities in related fields.

A Bachelor of Science is offered in nutrition and dietetics with tracks in dietetics or nutrition and foods.

The Bachelor of Science in public and community health has three track options: healthcare administration, health education and promotion, and health information administration. It is a dynamic program that is interdisciplinary in nature and provides options that allow students to prepare for various careers in public and community health organizations, such as hospitals, government agencies, or non-profit organizations. The program also prepares students to sit for professional certifications/licensures, and/or pursue graduate studies in related fields.

The graduate Dietetics Internship Program prepares students to become Registered Dietitians (RD). These graduate internship hours may be applied to the completion of the Master of Science in Nutrition.

Accreditations

The exercise science program's pre-health professional and exercise physiology

tracks are accredited through the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of the Committee on Accreditation for the Exercise Sciences (CoAES). The undergraduate dietetics and the graduate registered dietitian certificate programs are accredited through the Accreditation Council for Education in Nutrition and Dietetics (ACEND).

Department of Nursing

Program Director: Dana Todd
Faculty: Armstrong, Ballard, Brown, Byers, Fowler, Garth, Jones, Laffoon, Mallow, Murch, Naber, Perlow, Reid, Rogers, Rust, Sczcepaniak, Thurman, Thurmond, Tinsley, Todd

121 Mason Hall
(270) 809-2193

Nursing offers two degree programs, the baccalaureate program leading to the Bachelor of Science in Nursing (BSN) and the Doctor of Nursing Practice (DNP). The BSN and DNP are accredited by the Commission on Collegiate Nursing Education. The DNP, Anesthesia Specialization, is also accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs.

The purpose of the undergraduate nursing program is to prepare:
• a liberally educated individual;
• a professional graduate who practices as a generalist;
• one who is qualified to pursue graduate study in nursing.

Upon completing the program, students will be eligible to apply to write the licensing examination for registered nurses (NCLEX-RN).

The baccalaureate nursing program is typically composed of three semesters of pre-nursing and five semesters of full-time study in the arts, sciences, and nursing. Upon completion of necessary prerequisite courses, students may apply for formal admission to the nursing program. This typically occurs in the sophomore year of study. Proof of up-to-date immunizations, tuberculin testing, CPR certification, professional liability insurance, background check, and drug screening must be submitted upon acceptance to the program. Failure to submit documents can result in mandated withdrawal or failure in the program.

Occupational Therapy

Director: Sherri Powers

121 Mason Hall
(270) 809-2193

A Master of Science in Occupational Therapy degree is offered. This program prepares students to sit for the national certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy (NB-COT). This program offers a traditional route to completion, as well as a 3+2 accelerated route for exercise science students.

Honors College

Warren Edminster, Executive Director
304 Lowry Center
(270) 809-5274

The Honors College offers a unique educational experience designed to teach students how to learn, how to think critically and creatively, and how to communicate effectively. Students with evidence of high achievement may qualify for the Murray State Honors College. This program has been designed to provide future social and professional leaders with exceptional thinking and communication skills, an appropriate breadth and depth of knowledge, and a sense of cultural and social responsibility.

Entering freshmen with an ACT composite score of 28 or above or exceptional high school records are invited to apply for admission to the Honors College. Acceptance is based on such factors as standardized test scores, grade point average, and evidence of leadership abilities as displayed in extracurricular interests and activities.

Accepted students must participate in at least one Honors Seminar a semester until the sequence is complete unless arrangements are made with the director of the Honors College. In order to receive an Honors Diploma, an honors student must complete the Honors Sequence described below, fulfill the required competencies, maintain a 3.2 grade point average, and satisfy all Murray State graduation requirements including the completion of an area or a major and minor. In the programs they choose, honors students will be expected to select the more challenging courses offered.

The Honors College encourages intellectual exchange among students, professors, and visiting scholars. Ample opportunity is provided for dialogue.

The hallmarks of the Honors College are small class sizes and the resulting individual attention available to its students. Professors are readily available to all students in developing a full understanding of the course materials. The faculty are selected partly on the basis of their commitment to fostering interactive intellectual contact with students.

Only students admitted to the Honors College may enroll in HON prefix courses or in ENG 150 Honors English.

Presidential Fellows

This program is for graduating high school seniors of exceptional ability. Applicants must have a high school GPA of 3.70 or higher on a 4.00 scale and have a minimum ACT composite score of 28. In addition to excellent academic records, they must have demonstrated leadership abilities. An on-campus interview is required as part of the final selection process. This scholarship includes in-state tuition (no course/health fees), a 10 meal per week board plan, and a semi-private residential college room. This award is renewable for three additional years (eight semesters total) or until graduation, provided the student meets the requirements of the program and meets specified academic standards.

A Presidential Fellow must enroll in and successfully complete at least one Honors seminar each semester either until graduation or until the sequence has been completed. A Presidential Fellow is not required to complete the University Studies requirements but is required to complete the Honors Seminar sequence, including prerequisites and competencies. However, students who fail to complete the Honors Sequence must complete University Studies requirements for graduation. Presidential Fellows must maintain a 3.20 grade point average and must complete five hours of research each week under the guidance of a faculty advisor in order to retain the fellowship. They are also expected to live on campus and are encouraged to earn the Honors Diploma.

Trustee Scholars Program

Like Presidential Fellows, Trustee Scholars must also enroll in and successfully complete at least one Honors Seminar each semester either until graduation or until the sequence has been completed. Trustee Scholars are not required to complete the University Studies requirements but are required to complete the Honors Sequence, including prerequisites and competencies. However, students who fail to complete the Honors Sequence must complete University Studies requirements for graduation. Trustee Scholars must maintain a 3.20 grade point average in order to retain the scholarship. They are also expected to live on campus and are encouraged to earn the Honors Diploma.

Center for Adult and Regional Education

Dan Lavit, Executive Director
313 Lowry Center
(270) 809-4150

The Center for Adult and Regional Education's (CARE) mission is to serve the unique needs of the adult learner through programs and services offered at the regional campuses and beyond. While meeting the state mandate to serve the non-traditional students who desire educational opportunities in the 18 westernmost counties in Kentucky, the primary focus of CARE is the adult learner and the delivery systems that best serve them. The adult learner is a key aspect of the University's strategic plan and mission statement, as well as the Council on Postsecondary Education's Stronger by Degrees initiative.

CARE consists of the following administrative functions and units: Regional Campuses, the Office of Community Outreach, the Training Resource Center, and Videoconferencing Classroom Services. The following academic programs are also a part of CARE: Military Science (ROTC), Recreation (REC) courses, the Associate of Arts in General Studies (AAGS), and the Bachelor of Integrated Studies.

Distance Learning-Regional Campuses

Murray State University offers an extensive schedule of degree programs and courses at regional campus locations and/or via distance learning technologies, including videoconferencing, and online. Graduate and undergraduate degree programs and courses are offered in Paducah, Hopkinsville, Madisonville, Henderson, and Fort Campbell, as well as other locations throughout the region. Murray State University has a fully interactive two-way video classroom network. This network links the Murray campus with the MSU regional campuses to provide access to students in MSU's 18-county service region.

Distance Learning-Online

Online courses are published in the official schedule of classes each semester with an instruction method of "web". Like traditional courses, registration for online courses is through the *myGate* system. Students enrolling in online courses should have reliable Internet access. Online course tuition may include additional course fees. Visit the MSU website or call the Bursar's Office ((270) 809- 4227) for current tuition rates. For more information about these courses, contact (270) 809-4159 or 1-800-669-7654.

Community Outreach

Continuing education programs and services include non-credit professional development courses, workshops, teleconferences, and seminars; conference coordination, continuing education unit (CEU) administration; and other special programs. Online professional certificate programs are also offered through a partnership with ed2go.com. University faculty/staff, business and industry, and other interested individuals are encouraged to contact the office regarding their special training needs and interests.

Also offered are a wide range of youth programs, including camps with commuter and residential options, and ACT prep workshops. Registration services are available for youth and adult programming as well as conference and event coordination services.

For more information about youth programs, online certificates, conferences and workshops, or any of the non-credit programs, contact the Office of Community Outreach, (270) 809-3662.

Center for Adult and Regional Education

Dan Lavit, Executive Director
313 Lowry Center
(270) 809-4150

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Department of Military Science

LTC Rodric McClain
Faculty: Clayton, McClain, Payne

211 Blackburn Science Building
(270) 809-5061

The purpose of the Reserve Officer Training Corps (ROTC) program is to qualify college students for commissioning in the United States Army as officers in the grade of Second Lieutenant. This includes the Active Army (AD), National Guard (NG), and U.S. Army Reserves (USAR). This program of study is designed to develop the individual leadership and management skills that are necessary as an officer and equally beneficial and applicable to most other professions or vocations.

The Department of Military Science offers a four year and two year course of instruction which are divided into two phases, the basic course and the advanced course. Prerequisites for entry into the advanced course are 10 hours of basic Military Science courses, which include MIL 101, MIL 102, MIL 201 and MIL 202, or complete MIL 210 (Basic Cadet Summer Training Course at Ft. Knox, KY). Qualified veterans, NG, or USAR personnel may qualify for immediate placement in the advanced course. Students must have at least 54 credit hours and two years (4 semesters) left at Murray State University for entry into the advanced course as well.

The Department of Military Science requires at least 26 hours of Military Science in the 300- and 400-level and HIS 333 to receive a minor and/or to receive a commission. Six minor hours must be upper-level courses completed in residence at Murray State University. Military Science courses such as MIL 101, MIL 102, MIL 201, and MIL 202 may be used as elective hours for students pursuing any degree at Murray State.

A student may be selected, after contracting to serve, for Active Duty or service in one of the Reserve Components (NG/USAR) upon the completion of the advance course requirements and receipt of a bachelor's degree. The student will have the opportunity to request the branch or "area" for commissioning. There are several branches to choose from:

- Adjutant General's Corps
- Corps of Engineers
- Military Police Corps
- Air Defense

- Field Artillery
- Nurse Corps
- Armor
- Finance
- Ordance Corps
- Artillery
- Infantry
- Quartermaster Corps
- Aviation
- Medical Service Corps
- Signal Corps
- Chemical Corps
- Military Intelligence
- Transportation

Those students who desire to enter active duty are obligated to serve up to four years (depending on if scholarship or not). Students choosing a Reserve Component option may request a Guaranteed Reserve Forces Duty (GRFD) contract. Students selecting this option serve on active duty for the duration of the branch school chosen then serve six (6) years for the National Guard or United States Army Reserve.

National scholarships are available which cover the cost of tuition and books. Information on National Scholarships may be found at www.goarmy.com. Students must apply for National Scholarships during their junior or senior year of high school. National Scholarship recipients and contracted cadets receive a monthly stipend during the school year. ROTC enrolled students may apply for housing scholarships and tuition scholarships as available. For more information on scholarships, contact the Department of Military Science (270) 809-5061. Students qualifying for the advance courses may also belong to a NG or USAR unit under the Simultaneous Membership Program (SMP) and receive financial benefits by both ROTC and the NG or USAR unit.

Military manuals are provided by the Department of Military Science. All advanced course contracted cadets attend a leadership practicum in the summer between their junior and senior years of ROTC.

University Libraries

Cris Ferguson, Interim Dean of Libraries
208 Waterfield Library
(270) 809-5604

The Murray State University Libraries—the Harry Lee Waterfield Library, Wrather West Kentucky Museum, the James O. Overby Law Library and the Forrest C. Pogue Library—contain approximately 570,000 resource materials, including 400,000 books and approximately 317 current journal and newspaper subscriptions. The University Libraries also provide access to numerous electronic resources including 175 databases and over 100,000 eBooks.

Waterfield Library, the main library of the University, houses the circulating and reference collections, government documents, microforms, media, and journals. The reserve collection, housed at Waterfield Library's Circulation Desk, consists of materials assigned by faculty members for class use in the library or for a limited checkout period. A patron-initiated electronic interlibrary loan service for faculty, staff, and students is maintained for the borrowing of materials from other libraries. Photocopying services for print and microform materials are available for self-service use. In addition, the Waterfield Library lobby houses a computer lab with 60 computers loaded with Internet browsers and Microsoft Office software. Waterfield and Pogue Libraries both offer laptops for check-out. Waterfield Library also houses the Racer Writing Center, the Racer Oral Communication Center, and the Starbooks Cafe.

The Special Collections are located in the Forrest C. Pogue Library, housing materials relating to the history and culture of western Kentucky, Tennessee and those states from which the early settlers of this area came. Holdings include books, journals, newspapers, state documents, manuscripts, rare books, prints and paintings, tape recordings, maps, and microforms. Especially noteworthy are its outstanding collections of local and regional history, TVA materials, and Civil War materials, as well as the political papers of Harry Lee Waterfield, Robert A. Everett, Noble J. Gregory, Edward T. Breathitt, and Frank Albert Stubblefield. Additional holdings include materials relating to Kentucky authors Irvin S. Cobb and Jesse Stuart. The Forrest C. Pogue War and Diplomacy Collection, including personal papers, books and other materials donated by noted historian and Murray State University graduate Dr. Forrest C. Pogue, is available for research purposes. The James O. Overby Law Library, located on the lower level of the Pogue Library, consists of basic legal materials governing the United States and the Commonwealth of Kentucky. Wrather West Kentucky Museum highlights and promotes an understanding of the social, cultural, and

economic development of West Kentucky and the Jackson Purchase. Acquisitions, exhibits, and special programs support this mission. Both permanent and changing exhibits are open to the public at no charge.

The University Libraries supports the Faculty Development Center, which provides opportunities for ongoing discussions about pedagogy and instructional design. These are accomplished in one-on-one and group settings through faculty consultations, classroom visits, faculty learning communities, workshops, and conferences. We collaborate with people and programs on Murray State's campus and beyond to support the advancement of engaging pedagogies and effective instructional design. We support the university's core mission of teaching excellence by helping cultivate an institutional climate that values, promotes and rewards teaching excellence at Murray State University.

Center for Academic Success

Director: Shauna Mullins

The Center for Academic Success is focused on the success of all students. The Center coordinates the offerings of several different programs. Housed within the Center is the free tutoring program in a variety of subjects, Bachelor of General Studies Program, and corequisite courses in English and reading, as well as, dedicated instructors and advisors to support student success.

For more information about any of these programs, contact the Center for Academic Success at (270) 809-2666.