acceptance. Admittance to accredited OT, PT, and PA programs is stringent. Requirements necessary for acceptance to graduate programs are overall similar, but prerequisites may vary slightly depending on the university.

Considering these high standards necessary for graduate programs in OT, PT, or PA and MSU's interest in each student's career success, criteria have been established that must be met prior to taking specific upper-level EXS courses. Students who do not meet these requirements are encouraged to evaluate their career choice so that the remaining coursework can be tailored to prepare them for the workforce or other graduate programs at the time of graduation from MSU.

All Pre-professional track students must meet the following criteria before taking several junior and senior level courses. For Pre-Occupational and Pre-Physical Therapy, these criteria must be met before taking EXS 390, 402, 403, and 420.

- A minimum 3.0 cumulative GPA.
- Have completed BIO 227, 228, 229, 230 with a *C* or better.
- Have completed at least one of the following with a *C* or better: 1) CHE 111 or 201, 2) PHY 130 and 131.
- Have met the cumulative 2.5 GPA of all exercise science students in order to graduate.

Students choosing the pre-professional tracks will complete a bachelor's degree at MSU and then apply to graduate programs. There is a strong demand for all three of the pre-professional programs nationwide. The pre-professional programs are designed to provide the student with an excellent undergraduate background and knowledge base while incorporating many of the prerequisites required for acceptance to graduate programs. Students are encouraged to begin exploring graduate programs during their sophomore or junior year and work with their MSU advisor to ensure that any specific special courses required by a particular program of interest are incorporated into the curriculum. Acceptance into graduate programs is challenging and requires that the applicant be well rounded academically and personally. Successful applicants demonstrate a competitive academic history, have knowledge of the profession, and are motivated to succeed.

Occupational therapy services include teaching daily living skills, developing perceptual-motor skills, improving sensory function, and adaption of the environment for individuals with special needs. Occupational therapists evaluate an individual's condition, administer treatments, and participate in consulting activities. Physical therapy is a health care profession that focuses on improving optimal health, movement, and function. Physical therapists apply scientific principles to prevent, diagnose, and provide interventions to minimize or alleviate dysfunction. The profession of physician assistant has grown rapidly over the past few years and offers many options for the graduate to work in numerous areas of medicine under the supervision of a physician. To practice in any of the professional programs, one must graduate from an accredited program and pass a national board examination to obtain licensure. All these professionals work in a variety of settings and with individuals throughout the lifespan.

AREA: Exercise Science/Pre-Occupational Therapy Track

Bachelor of Science Degree
CIP 31.0505

University Studies Requirements ..... 45 hrs
(See *Academic Degrees and Programs*.)

University Studies selections must include:

•***Scientific Inquiry, Methodologies, and Quantitative Skills:***
BIO 101 Biological Concepts
or
BIO 221 Zoology: Animal Form and Function
CHE 111 Essentials of Chemistry and Biochemistry
MAT 140 College Algebra (or higher math)

•***Social and Self-Awareness and Responsible Citizenship:***
PHI 202 Ethics
PSY 180 General Psychology

•***University Studies Electives:***
CSC 125 Internet and Web Page Design
or
CSC 199 Introduction to Information Technology
PHY 130 General Physics I
PHY 131 General Physics I Laboratory
SOC 133 Introduction to Sociology

Core Courses ..... 41 hrs
BIO 229 Human Physiology
BIO 230 Human Physiology Laboratory
EXS 099 Transitions
EXS 101 Concepts and Careers in Exercise Science and Athletic Training
EXS 295 Acute Care of the Physically Active
EXS 310 Exercise Concepts in Special Populations
EXS 333 Theory/Techniques in Strength and Conditioning
EXS 350 Exercise Physiology
EXS 370 Kinesiology
EXS 375 Biomechanics in Sport and Exercise
EXS 380 Sports Medicine Pharmacology
EXS 385 Sport and Exercise Psychology
EXS 400 Research Design and Statistics for Allied Health
EXS 469 Professional Experience I
EXS 471 Administration in Exercise Science
NTN 230 Nutrition

Pre-Occupational Therapy Courses ..... 30 hrs
BIO 120 Scientific Etymology
BIO 220 Clinical Terminology
BIO 227 Human Anatomy
BIO 228 Human Anatomy Laboratory
PSY 260 Lifespan Development
PSY 407 Abnormal Psychology
EXS 301 Care and Prevention of Injuries
EXS 390 Therapeutic Modalities
EXS 402 Evaluation of the Lower Extremity
EXS 403 Evaluation of the Upper Extremity
EXS 420 Rehabilitation Techniques
EXS 421 Rehabilitation Techniques Lab
EXS 435 Neurological Anatomy and Physiology

Unrestricted Elective..... 4 hrs

Total Curriculum Requirements ..... 120 hrs

AREA: Exercise Science/Pre-Physical Therapy Track

Bachelor of Science Degree
CIP 31.0505

University Studies Requirements .....49 hrs
(See *Academic Degrees and Programs*.)

University Studies selections must include:
•***Scientific Inquiry, Methodologies, and Quantitative Skills:***
BIO 101 Biological Concepts
or
BIO 221 Zoology: Animal Form and Function
CHE 201 General College Chemistry
MAT 150 Algebra and Trigonometry or higher math[1]
•***Social and Self-Awareness and Responsible Citizenship:***
PHI 202 Ethics
PSY 180 General Psychology
•***University Studies Electives:***
CSC 125 Internet and Web Page Design
or
CSC 199 Introduction to Information Technology
PHY 130 General Physics I
PHY 131 General Physics I Laboratory
PHY 132 General Physics II
PHY 133 General Physics II Laboratory

Core Courses .....41 hrs
BIO 229 Human Physiology
BIO 230 Human Physiology Laboratory
EXS 099 Transitions
EXS 101 Concepts and Careers in Exercise Science and Athletic Training
EXS 295 Acute Care of the Physically Active
EXS 310 Exercise Concepts in Special Populations
EXS 333 Theory/Techniques in Strength and Conditioning
EXS 350 Exercise Physiology
EXS 370 Kinesiology
EXS 375 Biomechanics in Sport and Exercise
EXS 380 Sports Medicine Pharmacology
EXS 385 Sport and Exercise Psychology
EXS 400 Research Design and Statistics for Allied Health
EXS 469 Professional Experience I
EXS 471 Administration in Exercise Science
NTN 230 Nutrition

Pre-Physical Therapy Courses.....35 hrs
BIO 120 Scientific Etymology
BIO 220 Clinical Terminology
BIO 227 Human Anatomy
BIO 228 Human Anatomy Laboratory
CHE 202 General Chemistry and Qualitative Analysis
PSY 260 Lifespan Development
EXS 301 Care and Prevention of Injuries
EXS 390 Therapeutic Modalities
EXS 402 Evaluation of the Lower Extremity
EXS 403 Evaluation of the Upper Extremity
EXS 420 Rehabilitation Techniques
EXS 421 Rehabilitation Techniques Lab
EXS 435 Neurological Anatomy and Physiology
SOC 133 Introduction to Sociology
or
Career elective

Total Curriculum Requirements .....125 hrs
[1]MAT 140 and 145 may be substituted for MAT 150.

AREA: Exercise Science/Pre-Physician Assistant Track

Bachelor of Science Degree
CIP 31.0505

University Studies Requirements .....47 hrs
(See *Academic Degrees and Programs*.)

University Studies selections must include:
•***Scientific Inquiry, Methodologies, and Quantitative Skills:***
BIO 221 Zoology: Animal Form and Function
CHE 201 General College Chemistry
MAT 150 Algebra and Trigonometry or higher math[1]
•***Social and Self-Awareness and Responsible Citizenship:***
PHI 202 Ethics
PSY 180 General Psychology
•***University Studies Electives:***
CHE 202 General Chemistry and Qualitative Analysis
CSC 125 Internet and Web Page Design
or
CSC 199 Introduction to Information Technology
SOC 133 Introduction to Sociology

Core Courses .....41 hrs
BIO 229 Human Physiology
BIO 230 Human Physiology Laboratory
EXS 099 Transitions
EXS 101 Concepts and Careers in Exercise Science and Athletic Training
EXS 295 Acute Care of the Physically Active
EXS 310 Exercise Concepts in Special Populations
EXS 333 Theory/Techniques in Strength and Conditioning
EXS 350 Exercise Physiology
EXS 370 Kinesiology
EXS 375 Biomechanics in Sport and Exercise
EXS 380 Sports Medicine Pharmacology
EXS 385 Sport and Exercise Psychology
EXS 400 Research Design and Statistics for Allied Health
EXS 469 Professional Experience I
EXS 471 Administration in Exercise Science
NTN 230 Nutrition

Pre-Physician Assistant Courses.....32 hrs
BIO 120 Scientific Etymology
BIO 220 Clinical Terminology
BIO 227 Human Anatomy
BIO 228 Human Anatomy Laboratory
BIO 300 Introductory Microbiology
CHE 312 Organic Chemistry I
EXS 301 Care and Prevention of Injuries
EXS 320 Evaluation of Non-Orthopedic Conditions
EXS 435 Neurological Anatomy and Physiology
PSY 260 Lifespan Development
Electives (5 hrs)

Total Curriculum Requirements .....120 hrs
[1]MAT 140 and 145 may be substituted for MAT 150.

AREA: Exercise Science/Wellness Track

Bachelor of Science Degree
CIP 31.0505

University Studies Requirements ..... 44 hrs
(See *Academic Degrees and Programs*.)

University Studies selections must include:
•***Scientific Inquiry, Methodologies, and Quantitative Skills:***
BIO 101 Biological Concepts
or
BIO 221 Zoology: Animal Form and Function
CHE 111 Introductory Chemistry I
MAT 140 College Algebra (or higher math)
•***Social and Self-Awareness and Responsible Citizenship:***
PHI 202 Ethics
PSY 180 General Psychology
•***University Studies Electives:***
CSC 125 Internet and Web Page Design
or
CSC 199 Introduction to Information Technology
(See advisor before choosing.)

Core Courses ..... 41 hrs
BIO 229 Human Physiology
BIO 230 Human Physiology Laboratory
EXS 099 Transitions
EXS 101 Concepts and Careers in Exercise Science and Athletic Training
EXS 295 Acute Care of the Physically Active
EXS 310 Exercise Concepts in Special Populations
EXS 333 Theory/Techniques in Strength and Conditioning
EXS 350 Exercise Physiology
EXS 370 Kinesiology
EXS 375 Biomechanics in Sport and Exercise
EXS 380 Sports Medicine Pharmacology
EXS 385 Sport and Exercise Psychology
EXS 400 Research Design and Statistics for Allied Health
EXS 469 Professional Experience I
EXS 471 Administration in Exercise Science
NTN 230 Nutrition

Wellness Courses 30-31
BIO 227 Human Anatomy *and*
BIO 228 Human Anatomy Laboratory
or
EXS 250 Anatomical Concepts in Wellness
EXS 302 Essential Prevention and Management of Injuries
EXS 356 Health Promotion and Programming
EXS 455 Exercise Prescription
EXS 460 Practicum
EXS 465 Advanced Exercise Physiology
EXS 470 Professional Experience II
Career Electives (9 hours upper-level with advisor approval)

Unrestricted Electives ..... 4-5 hrs
A minor may be substituted in place of electives.

Total Curriculum Requirements ..... 120 hrs

Nutrition, Dietetics and Food Management

The nutrition, dietetics, and food management program offers a B.S. degree with a choice of three options: dietetics, food management, and nutrition and foods, as well as a Master of Science.

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.

The Food Management Track prepares students for careers in the hospitality industry. Skills developed can be applied to a wide range of jobs across the industry. There will be no shortage of exciting opportunities and fresh challenges in the years ahead. Necessary skills include basic business skills, motivation, and supervisory skills as well as food purchasing, preparation, and service. Careers you can explore include theme parks, country clubs, corporate dining, university dining, bed and breakfast, restaurants, consulting, and sales.

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.

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 30 credit hours and have a GPA of 3.0 or above with a *B* or better in NTN 230 and a *C* or better in two required science courses such as BIO 101, BIO 227, CHE 105, or CHE 210. In order to obtain a verification statement upon completion of the DPD, a student must have a GPA of at least 2.8 and at least a *C* in all DPD required courses.

AREA: Nutrition, Dietetics and Food Management/Dietetics Track

Bachelor of Science Degree
CIP 19.0501

ACCREDITED BY:
Dietetics Emphasis: Accreditation Council for Education in Nutrition and Dietetics

Note: With proper advising, this program can meet requirements for physician assistant and certain other pre-professional programs.

University Studies Requirements ..... 42-44 hrs
(See *Academic Degrees and Programs*.)

University Studies selections must include:
•***Scientific Inquiry, Methodologies, and Quantitative Skills:***
BIO 101 Biological Concepts
CHE 105 Introductory Chemistry I
or
CHE 201 General College Chemistry
MAT 117 Mathematical Concepts (or higher math)
•***Social and Self-Awareness and Responsible Citizenship:***
PSY 180 General Psychology
•***University Studies Electives:***
CSC 199 Introduction to Information Technology
SOC 133 Introduction to Sociology

Core Requirements .....45-46 hrs
BUS 140 Foundations of Business
MAT 135 Introduction to Probability and Statistics
or
PSY 300 Principles and Methods of Statistical Analysis
FCS 462 Methods of Teaching Family and Consumer Sciences
MGT 350 Fundamentals of Management
NTN 099 Transitions
NTN 200 Introduction to the Profession
NTN 220 Food Safety and Sanitation
NTN 230 Nutrition
NTN 231 Principles of Food Science and Preparation
NTN 303 Research Concepts in Foods and Nutrition
NTN 333 Nutrition and the Life Cycle
NTN 371 Quantity Food Production Practicum
NTN 372 Quantity Food Production and Purchasing
NTN 373 Management of Food Service Personnel and Facilities
NTN 412 Community Nutrition and Health
NTN 422 Meal Management
NTN 432 Experimental Foods
NTN 499 Senior Seminar

Dietetics Courses .....30-31 hrs
BIO 227 Human Anatomy *and*
BIO 228 Human Anatomy Laboratory
or
EXS 250 Anatomical Concepts in Wellness
BIO 229 Human Physiology
BIO 230 Human Physiology Laboratory
BIO 300 Introductory Microbiology
CHE 210 Brief Organic Chemistry
CHE 330 Basic Biochemistry
HEA 415 Communication Techniques for Health Care Providers
NTN 430 Advanced Nutrition
NTN 434 Clinical Dietetics Practicum
NTN 440 Medical Nutrition Therapy I
NTN 450 Medical Nutrition Therapy II

Electives .....3 hrs

Total Curriculum Requirements .....120 hrs

AREA: Nutrition, Dietetics and Food Management/Food Management Track

Bachelor of Science Degree
CIP 19.0501

University Studies Requirements .....42-44 hrs
(See *Academic Degrees and Programs*.)

University Studies selections must include:
•***Scientific Inquiry, Methodologies, and Quantitative Skills:***
BIO 101 Biological Concepts
CHE 105 Introductory Chemistry I
or
CHE 201 General College Chemistry
MAT 117 Mathematical Concepts (or higher math)
•***Social and Self-Awareness and Responsible Citizenship:***
PSY 180 General Psychology
•***University Studies Electives:***
CSC 199 Introduction to Information Technology
SOC 133 Introduction to Sociology

Core Requirements .....45-46 hrs
BUS 140 Foundations of Business
MAT 135 Introduction to Probability and Statistics
or
PSY 300 Principles and Methods of Statistical Analysis
FCS 462 Methods of Teaching Family and Consumer Sciences
MGT 350 Fundamentals of Management
NTN 099 Transitions
NTN 200 Introduction to the Profession
NTN 220 Food Safety and Sanitation
NTN 230 Nutrition
NTN 231 Principles of Food Science and Preparation
NTN 303 Research Concepts in Foods and Nutrition
NTN 333 Nutrition Throughout the Life Cycle
NTN 371 Quantity Food Production Practicum
NTN 372 Quantity Food Production and Purchasing
NTN 373 Management of Food Service Personnel and Facilities
NTN 412 Community Nutrition and Health
NTN 422 Meal Management
NTN 432 Experimental Foods
NTN 499 Senior Seminar

Food Management Courses.....24 hrs
ACC 200 Principles of Financial Accounting
ECO 230 Principles of Macroeconomics
MGT 550 Human Resource Management
MKT 360 Principles of Marketing
NTN 374 Food Service Management Practicum
Choose nine hours from the following:
ACC 201 Principles of Managerial Accounting
CSC 125 Internet and Web Page Design
MGT 358 Entrepreneurial Business Plan Development
MGT 551 Organizational Behavior
MGT 553 Human Resource Selection
MKT 361 Selling and Sales Management
MKT 565 Marketing Research
NTN 488 Cooperative Education/Internship
NTN 597 Trends and Issues in Nutrition and Foods

Electives ..... **9 hrs**

Total Curriculum Requirements ..... **120 hrs**

AREA: Nutrition, Dietetics and Food Management/Nutrition and Foods Track

Bachelor of Science Degree
CIP 19.0501

University Studies Requirements ..... **42-44 hrs**
(See *Academic Degrees and Programs*.)

University Studies selections must include:
•***Scientific Inquiry, Methodologies, and Quantitative Skills:***
BIO 101 Biological Concepts
CHE 105 Introductory Chemistry I
or
CHE 201 General College Chemistry
MAT 117 Mathematical Concepts (or higher math)
•***Social and Self-Awareness and Responsible Citizenship:***
PSY 180 General Psychology
•***University Studies Electives:***
CSC 199 Introduction to Information Technology
SOC 133 Introduction to Sociology

Core Requirements ..... **45-46 hrs**
BUS 140 Foundations of Business
MAT 135 Introduction to Probability and Statistics
or
PSY 300 Principles and Methods of Statistical Analysis
FCS 462 Methods of Teaching Family and Consumer Sciences
MGT 350 Fundamentals of Management
NTN 099 Transitions
NTN 200 Introduction to the Profession
NTN 220 Food Safety and Sanitation
NTN 230 Nutrition
NTN 231 Principles of Food Science and Preparation
NTN 303 Research Concepts in Foods and Nutrition
NTN 333 Nutrition Throughout the Life Cycle
NTN 371 Quantity Food Production Practicum
NTN 372 Quantity Food Production and Purchasing
NTN 373 Management of Food Service Personnel and Facilities
NTN 412 Community Nutrition and Health
NTN 422 Meal Management
NTN 432 Experimental Foods
NTN 499 Senior Seminar

Nutrition and Foods Courses ..... **19-20 hrs**
BIO 227 Human Anatomy *and*
BIO 228 Human Anatomy Laboratory
or
EXS 250 Anatomical Concepts in Wellness
BIO 229 Human Physiology
BIO 230 Human Physiology Laboratory
CHE 210 Brief Organic Chemistry
HEA 191 Personal Health
HEA 415 Communication Techniques for Health Care Providers
NTN 430 Advanced Nutrition

Electives ..... **10-14 hrs**

Total Curriculum Requirements ..... **120 hrs**

Nutrition Graduate Programs

The Master of Science (M.S.) in Nutrition is a 35-credit-hour program which enables graduates of the Registered Dietitian (R.D.) certification program to pursue additional higher education in the areas of professional counseling, education, science, statistics, psychology, management, and nutrition research. The M.S. in Nutrition prepares students to effectively compete in a growing job market in which 5 of 10 dietitians nationally hold master's degrees. Advances in nutrition and genetic research, aging demographics, and accelerating rates of nutrition-related diseases such as obesity and diabetes fuel the demand for highly trained nutrition professionals.

Master of Science in Nutrition

CIP 19.0501

Requirements for Admission

Applicants must meet the Murray State University requirements (see *Graduate Admissions*). Additional requirements for admission are as follows.

- Applicants must be accepted to the Murray State University Dietetic Internship Program. Students must successfully complete program, earning a grade of *B* or better in all courses.
- Students must pass the Registered Dietitian National Examination administered by the Academy of Nutrition and Dietetics to continue in the program.

NON-THESIS REQUIREMENTS

Total Course Requirements..... **35 hours**
NTN 640 Dietetics Clinical Training Primer
NTN 641 Nutrition Therapy I
NTN 642 Foodservice Management
NTN 643 Community Nutrition[PT]
NTN 650 Dietetics Clinical Training Program Primer II
NTN 651 Nutrition Therapy II
NTN 652 Business/Entrepreneur
NTN 653 Culminating Experience
NTN 656 Nutrition Research Literature Review[L]
NTN 660 Research Project in Nutrition I[R]
NTN 661 Research Project in Nutrition II
PSY 545 Behavior Modification
PSY 591 Statistics
Approved Elective (1-4 hrs)

Other Degree Requirements

- Successful completion of a comprehensive research project.

CERTIFICATE:
Registered Dietitian (R.D.)

ACCREDITED BY:
Accreditation Council for Education in Nutrition and Dietetics (ACEND)

Total Course Requirements.....18 hours
NTN 640 Dietetics Clinical Training Primer
NTN 641 Nutrition Therapy I
NTN 642 Foodservice Management
NTN 643 Community Nutrition
NTN 650 Dietetics Clinical Training Program Primer II
NTN 651 Nutrition Therapy II
NTN 652 Business/Entrepreneur
NTN 653 Culminating Experience

Department of Community Leadership and Human Services

108 Carr Health Building
270-809-6802

Chair: Kelly Rogers. **Faculty:** Brookhiser, Chakradhar, Chavis, Gowen, Jones, Meredith, Pittman-Munke, Rogers, Weis, Wylie.

The Department of Community Leadership and Human Services offers areas in recreation and leisure services and social work, a major in youth and nonprofit leadership, and minors in adventure leadership, community recreation, gerontology, social welfare, and youth and nonprofit leadership.

Recreation and Leisure Services

The Recreation and Leisure Services program offers a B.A./B.S. degree with a tracks in adventure leadership, community recreation, and outdoor recreation preparing students for careers in a variety of settings including local, state, regional, and national parks and recreation areas. Through service learning courses and a 400 contact hour internship, students have many opportunities to gain valuable work experience prior to graduation. Upon successfully completing the program, students are eligible to sit for the Certified Park and Recreation Professional (CPRP) national exam.

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 recreation and leisure services as a major.

AREA:
Recreation and Leisure Services/ Adventure Leadership Track

Bachelor of Science/Bachelor of Arts Degree
CIP 31.0601

University Studies Requirements .....41-47 hrs
(See *Academic Degrees and Programs*.)
Note: At least a *C* average is required in ENG 105.

University Studies selections must include:
Social and Self-Awareness and Responsible Citizenship:
PSY 180 General Psychology
•***University Studies Electives:***
ENG 224 Writing in the Professions

Required Courses.....44 hrs
REC 099 Transitions
REC 101 Introduction to Recreation and Leisure Services
REC 150 Recreation Activity Leadership
REC 202 Recreation Program Planning
REC 207 Inclusive Recreation
REC 302 Special Event Management
REC 304 Community Recreation Service Learning
REC 401 Research and Evaluation in Recreation
REC 403 Managing Recreation Areas and Facilities
REC 405 Organization and Administration of Recreation
REC 410 Technology Application to Recreation Decision Making
REC 421 Professional Internship
REC 450 Recreational Use of Natural Resources
REC 465 Interpretation of Cultural Resources
REC 499 Senior Seminar
REC 502 Workshop in Financial Development
REC 520 Leisure and Aging

Adventure Leadership Track.....16 hrs
REC 161 Outdoor Cooking and Menu Planning
REC 295 Wilderness and Remote First Aid
REC 301 Outdoor Adventure Skills
REC 311 Leadership of Adventure Education
REC 411 Curriculum Development in Adventure Education
REC 490 National Recreation Sites and Rural Tourism Traveling Workshop

Restricted Electives.....13-19 hrs
Advisor approved from a list of electives maintained in the department.

Total Curriculum Requirements .....120 hrs

AREA:
Recreation and Leisure Services/ Community Recreation Track

Bachelor of Science/Bachelor of Arts Degree
CIP 31.0601

University Studies Requirements .....41-47 hrs
(See *Academic Degrees and Programs*.)
Note: At least a *C* average is required in ENG 105.

University Studies selections must include:
Social and Self-Awareness and Responsible Citizenship:
PSY 180 General Psychology
•***University Studies Electives:***
ENG 224 Writing in the Professions

Required Courses.....44 hrs
REC 099 Transitions
REC 101 Introduction to Recreation and Leisure Services
REC 150 Recreation Activity Leadership
REC 202 Recreation Program Planning
REC 207 Inclusive Recreation
REC 302 Special Event Management
REC 304 Community Recreation Service Learning
REC 401 Research and Evaluation in Recreation

REC 403 Managing Recreation Areas and Facilities
REC 405 Organization and Administration of Recreation
REC 410 Technology Application to Recreation Decision Making
REC 421 Professional Internship
REC 450 Recreational Use of Natural Resources
REC 465 Interpretation of Cultural Resources
REC 499 Senior Seminar
REC 502 Workshop in Financial Development
REC 520 Leisure and Aging

Adventure Leadership Track ..... 18 hrs
HEA 191 Personal Health
PHE 205 Lifetime Activities
PHE 206 Team Sports
REC 100 Rural Tourism
SOC 231 Social Problems
YNL 351 Leadership and Support Systems in Youth and Human Service Organizations

Restricted Electives ..... 11-17 hrs
Advisor approved from a list of electives maintained in the department.

Total Curriculum Requirements ..... 120 hrs

Adventure Leadership Minor ..... 23 hrs
REC 101, 150, 161, 207, 295, 301, 311, 411, and 450. Six hours must be upper-level courses completed in residence at Murray State University.

Community Recreation Minor ..... 23 hrs
REC 101, 150, 202, 207, 302, and 403. Choose six hours of electives from the following: REC 101, 401, 405, 410, 450, 490, or 520. Six hours must be upper-level courses completed in residence at Murray State University.

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 which provides students a stimulating and provocative approach to preparing themselves for a social work career. The undergraduate social work program is 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, 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.

Students must earn a grade of *C* or better 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.

Requirements for Admission

In order to be admitted to the social work program, a student must 1) have completed 60 semester hours of course work with a minimum GPA of 2.50; 2) have completed SWK 101, 201, 225, and 301 or 302 with a minimum GPA of 2.50 and no grades in a SWK class below *C*; 3) may be asked to pass an examination to certify proficiency in written English; 4) complete an application for admission to the program; 5) be successfully reviewed by the social work program admissions committee; 6) complete any other requirements or testing that the social work program admissions committee members deem necessary for admission; and 7) sign a statement indicating that he/she has read and will follow the code of ethics of the National Association of Social Workers.

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, 312, 313, and 498; and 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.

AREA: Social Work

Bachelor of Social Work Degree
CIP 44.0701

ACCREDITED BY:
Council on Social Work Education (CSWE)

University Studies Requirements ..... 41-44 hrs

University Studies selections must include:
•*Oral and Written Communication:*
COM 161 Introduction to Public Speaking
ENG 105 Critical Reading, Writing, and Inquiry
•*Global Awareness, Cultural Diversity, and the World's Artistic Traditions:*
One University Studies elective in this category
•***Scientific Inquiry, Methodologies, and Quantitative Skills:***
One University Studies BIO elective in this category
MAT 135 Introduction to Probability and Statistics
One University Studies math or science elective in this category
•***Social and Self-Awareness and Responsible Citizenship:***
POL 140 American National Government
SOC 133 Introduction to Sociology
One University Studies elective in this category
•*World's Historical, Literary, and Philosophical Traditions:*
CIV 201 World Civilizations I
or
CIV 202 World Civilizations II
HUM 211 Western Humanities Tradition
•***University Studies Electives:***
CSC 199 Introduction to Information Technology
PSY 180 General Psychology

Required Courses.....52 hrs
SWK 099 Transitions
SWK 101 Introduction to Social Work
SWK 201 Social Work and Social Welfare
SWK 225 Human Diversity
SWK 301 Human Behavior and the Social Environment I
SWK 302 Human Behavior and the Social Environment II
SWK 303 Principles and Methods of Research
SWK 310 Social Work Practice I
SWK 311 Social Work Practice Skills
SWK 312 Social Work Practice II
SWK 313 Social Work Practice III
SWK 350 Social Welfare Policies and Services
SWK 385 Social Work in Mental Health Settings
SWK 498 Senior Seminar
SWK 499 Field Practicum

Social Work Electives.....15 hrs
Choose two upper division social work (SWK) classes with exception of SWK 500. The other nine hours may be chosen from any SWK course.

Co-Requirements for Area .....12 hrs
Any ECO course, any statistics course, and nine hours from the following prefixes: ANT, CRJ, NTN, PHI, PSY, RGS, SOC, SWK, or any foreign language course.

Total Curriculum Requirements .....120-123 hrs

Social Welfare Minor.....21 hrs
SWK 101, 201, 225, 301, 302, and choose two of the following: SWK 303, 304, 311, 315, 336, 345, 350, 355, 365, 370, 375, 385, 395, 405, 410, 415, 425, 426, 437, or 460. Social work minors are not permitted to take SWK 312, 313, 498, or 499. Six hours must be upper-level courses completed in residence at Murray State University.

Gerontology

Through this minor, students learn about the aging process, services for the elderly, and the techniques for working with the elderly. The 21-hour minor in social gerontology combines course work in several disciplines including sociology, social work, psychology and therapeutic recreation. A minor in gerontology provides students with the background they need to provide services to older people.

Gerontology Minor .....21 hrs
GTY 264, 305, 341, 520, plus nine hours of limited electives. Six hours must be upper-level courses completed in residence at Murray State University.

Youth and Nonprofit Leadership

The department offers a major and a minor in youth and nonprofit leadership. This program prepares students for leadership roles in organizations like the American Red Cross, the Boys and Girls Clubs of America, the YMCA, hospitals, colleges, and ministries to mention several. It is designed to include competencies in program development, supervision, public relations, and finance to mention a few. Many classes involve a service learning project and can help students earn the designation of Service Learning Scholar at graduation.

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 youth and nonprofit leadership as a major.

MAJOR: Youth and Nonprofit Leadership

Bachelor of Arts/Bachelor of Science Degree
CIP 44.0702

University Studies Requirements .....41-47 hrs
(See *Academic Degrees and Programs*.)

University Studies selections must include:
Social and Self-Awareness and Responsible Citizenship:
PSY 180 General Psychology
•***University Studies Electives:***
CSC 199 Introduction to Information Technology

Required Courses.....29 hrs
YNL 099 Transitions
YNL 290 Current Trends and Issues in Youth and Human Services
YNL 350 Program Administration in Youth and Human Service Organizations
YNL 351 Leadership and Support Systems in Youth and Human Service Organizations
YNL 400 Youth and Human Service Agency Administration Internship
YNL 401 Youth and Human Service Internship
YNL 450 Senior Seminar
YNL 475 Social Entrepreneurship
YNL 485 Seminar on Leadership Development
YNL 502 Workshop in Financial Resource Development
YNL 580 Special Problems in Youth and Human Service Organizations

Career Related Electives .....9 hrs
Choose from the following:
COM 340 Intercultural Communication
COM 380 Organizational Communication
COM 439 Conflict and Communication
HEA 191 Personal Health
MGT 350 Fundamentals of Management
MGT 550 Human Resource Management
MKT 360 Principles of Marketing
OSH 101 Emergency Medical Training
PHI 202 Ethics
PSY 261 Child Psychology
PSY 262 Adolescent Psychology
REC 403 Managing Recreation Areas and Facilities

Required Minor.....21 hrs

Unrestricted Electives.....14-20 hrs

Total Curriculum Requirements .....120 hrs

Youth and Nonprofit Leadership Minor.....25 hrs
YNL 290, 350, 351, 400, 401, 450, 502, and six hours of limited electives. Six hours must be upper-level courses completed in residence at Murray State University.

Graduate Program

CERTIFICATE: Youth and Nonprofit Leadership

CIP 44.0702

The Human Development and Leadership Certificate program is designed for individuals working in positions such as administrative, program development, or direct services positions in a wide range of settings. This certificate will provide additional information and skills for those with leadership responsibilities or for those wanting to move toward assuming a greater leadership role. The 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. This program leads to a non-practice credential and is not approved by the Kentucky Educational Professional Standards Board.

Requirements for Admission

Students who hold an undergraduate degree, graduate degree in any field, or those currently enrolled in a graduate program may apply for the Certificate in Youth and Nonprofit Leadership 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;
- conditional admission will be determined by the Director of the Youth and Nonprofit Leadership program.

Total Course Requirements.....12 hours

YNL 601 Seminar on Youth and Human Service Organization
YNL 602 Workshop in Financial Resource Development
YNL 680 Special Problems in Youth and Human Service Organizations
YNL 685 Seminar on Leadership Development

Department of Occupational Safety and Health

157 Collins Center
270-809-2488

Chair: David G. Kraemer. **Faculty:** Atieh, Begley, Byrd, Fender, Keller, Kraemer, Mason, Morris, Wortham.

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. 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.

Occupational Safety and Health Track

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.

Environmental Health and Safety Track

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.

Degree Requirements

Students must earn a grade of *C* or better in all OSH courses. Any OSH course with a grade below a *C* must be repeated if needed for graduation requirements.

AREA: Occupational Safety and Health/ Occupational Safety and Health Track

Bachelor of Science
CIP 15.0701

ACCREDITED BY:
Applied Science Accreditation Commission of ABET (ASAC/ABET), www.abet.org.

University Studies Requirements .....44 hrs
(See *Academic Degrees and Programs*.)

University Studies selections must include:
•***Scientific Inquiry, Methodologies, and Quantitative Skills:***
BIO 101 Biological Concepts
CHE 105 Introductory Chemistry I
MAT 230 Technical Math II
•***Social and Self-Awareness and Responsible Citizenship:***
PSY 180 General Psychology
•***University Studies Electives:***
CHE 210 Brief Organic Chemistry
CHE 215 Organic Chemistry Laboratory
PHY 125 Brief Introductory Physics
PHY 126 Brief Introductory Physics Lab

Required Core Courses ..... 52-53 hrs
CSC 199 Introduction to Information Technology[1]
ITD 120 Manufacturing Processes and Materials
MAT 135 Introduction to Probability and Statistics
or
PSY 300 Principles and Methods of Statistical Analysis
MGT 350 Fundamentals of Management
OSH 099 Transitions
OSH 192 Introduction to Occupational Safety and Health
OSH 287 OSHA Standards for General Industry and Construction
OSH 299 Professional Development Seminar I
OSH 310 Fire and Emergency Preparedness Preplanning
OSH 311 Hazardous Materials and Emergency Planning
OSH 320 Environmental and Occupational Health Engineering Technology
OSH 353 Prevention of Musculoskeletal Disorders in the Workplace
OSH 420 Fundamentals of Industrial Hygiene

OSH 425 Physical Agents
OSH 450 Practical Application Lab
OSH 452 Systems Approach to Hazard Control
OSH 488 Cooperative Education/Internship
OSH 550 Safety and Health Program Management and Training
OSH 591 Engineering and Technical Aspects of Safety

Safety Courses .....30 hrs
OSH 101 Emergency Medical Training
OSH 384 Construction Safety
OSH 445 Fundamentals of Loss Control
OSH 546 Fundamentals of Risk Control
Technical electives (14 hrs)
Must be approved by advisor and chosen from the Technical Electives list below and/or the Environmental Health and Safety and Track)

Technical Electives (choose from the following)
CET 310 Anatomy of Buildings
CET 331 Water Quality Technology II
CET 385 Heavy Construction Cost Estimating
or
CET 386 Building Construction Cost Estimating
CET 480 Construction Planning and Management
CET 555 Environmental Regulatory Affairs
CHE 120 Chemical Laboratory Safety
CHE 330 Basic Biochemistry
COM 340 Intercultural Communication
COM 384 Communication Skills for Professionals
COM 439 Conflict and Communication
CRJ 355 Security in Business and Industry
ENG 228 Standard English Usage
MGT 550 Human Resource Management
MGT 555 Training and Development
MGT 575 Labor Management Relations
OSH 301 Product Liability
OSH 371 Professional Internship II
OSH 453 Human Factors in Safety Engineering
OSH 488 Cooperative Education/Internship[2]
OSH 499 Professional Development Seminar II
OSH 536 Motor Fleet Safety
OSH 571 Problems in Safety and Health
OSH 578 Workshop in Safety and Health
PSY 405 Industrial and Organizational Psychology
SPA 106 Basic Spanish and Culture for Agriculture

Total Curriculum Requirements .....126-127 hrs
[1]CSC 199 can be substituted by another computer related course with advisor's approval.
[2]May be repeated for a second experience.

AREA:
Occupational Safety and Health/ Environmental Health and Safety Track

Bachelor of Science
CIP 15.0701

ACCREDITED BY:
Applied Science Accreditation Commission of ABET (ASAC/ ABET), www.abet.org.

University Studies Requirements .....44 hrs
(See *Academic Degrees and Programs*.)

University Studies selections must include:
•***Scientific Inquiry, Methodologies, and Quantitative Skills:***
BIO 101 Biological Concepts
CHE 105 Introductory Chemistry I
MAT 230 Technical Math II
•***Social and Self-Awareness and Responsible Citizenship:***
PSY 180 General Psychology
•***University Studies Electives:***
CHE 210 Brief Organic Chemistry
CHE 215 Organic Chemistry Laboratory
PHY 125 Brief Introductory Physics
PHY 126 Brief Introductory Physics Lab

Required Core Courses ..... 52-53 hrs
CSC 199 Introduction to Information Technology[1]
ITD 120 Manufacturing Processes and Materials
MAT 135 Introduction to Probability and Statistics
or
PSY 300 Principles and Methods of Statistical Analysis
MGT 350 Fundamentals of Management
OSH 099 Transitions
OSH 192 Introduction to Occupational Safety and Health
OSH 287 OSHA Standards for General Industry and Construction
OSH 299 Professional Development Seminar I
OSH 310 Fire and Emergency Preparedness Preplanning
OSH 311 Hazardous Materials and Emergency Planning
OSH 320 Environmental and Occupational Health Engineering Technology
OSH 353 Prevention of Musculoskeletal Disorders in the Workplace
OSH 420 Fundamentals of Industrial Hygiene
OSH 425 Physical Agents
OSH 450 Practical Application Lab
OSH 452 Systems Approach to Hazard Control
OSH 488 Cooperative Education/Internship
OSH 550 Safety and Health Program Management and Training
OSH 591 Engineering and Technical Aspects of Safety

Environmental Health and Safety Courses .....30 hrs
CET 330 Water Quality Technology I
CET 342 Air Quality Technology
CET 353 Solid Hazardous Waste Technology
OSH 511 Hazardous Waste Site Operations
OSH 523 Occupational Diseases
OSH 527 Air Contaminants and Industrial Ventilation
Technical electives (12 hrs)
Must be approved by advisor and chosen from the Technical Electives list below and/or the Occupational Safety and Health Track)

Technical Electives (choose from the following)
CET 310 Anatomy of Buildings
CET 331 Water Quality Technology II
CET 385 Heavy Construction Cost Estimating
or
CET 386 Building Construction Cost Estimating
CET 480 Construction Planning and Management
CET 555 Environmental Regulatory Affairs
CHE 120 Chemical Laboratory Safety
CHE 330 Basic Biochemistry
COM 439 Conflict and Communication
COM 384 Communication Skills for Professionals
COM 340 Intercultural Communication
CRJ 355 Security in Business and Industry