School of Nursing and Health Professions

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UNITS

Applied Health Sciences 224
Nursing 232

PROGRAMS

UNDERGRADUATE

Baccalaureate
Exercise Science
Nursing
Nursing/RN to BSN
Nutrition, Dietetics and Food Management
Public and Community Health

Minor
Community Health Coordinator
Exercise Science
Nutrition
Public and Community Health

GRADUATE

Master's
Nutrition
Occupational Therapy

Doctorate
Nursing Practice

School of Nursing and Health Professions

The School of Nursing and Health Professions offers baccalaureate and doctorate degrees in nursing as well as other health professions offered through the Department of Applied Health Sciences.

Department of Applied Health Sciences

408B Applied Science Building
270-809-5742

Chair: Miranda Terry. **Faculty:** Byrd, Crouch, Dodd, J. Erdmann, K. Erdmann, Kalinski, Maghrabi, Molla, Paine, Powers, Reeves, Stanczyk, Terry.

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 Sport Medicine, the National Strength and Conditioning Association, or other recognized entities in related fields.

A Bachelor of Science is offered in nutrition, dietetics and food management with tracks in dietetics, food management, or nutrition and foods. The graduate Dietetics Internship Program prepares students to become Registered Dietitians (R.D.). These graduate internship hours may be applied to completion of the Master of Science in Nutrition.

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.

A Master of Science in Occupational Therapy (MSOT) 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 (NBCOT). This program offers a traditional route to completion, as well as a 3+2 accelerated route for exercise science students.

Note: See page 58 for graduate courses notated with [L, R,] or [PT].

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). The Master of Science in Occupational Therapy program has applied for accreditation and has been granted Candidacy Status 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.

Exercise Science

Exercise Science professionals often collaborate with other health care professionals to provide clients with information designed to manage and/or prevent health issues. Students who are passionate about working with people interested in developing healthier lifestyles through a combination of exercise and educational programs consider the exercise physiology track. Students who choose the exercise physiology track complete the core course requirements and then choose from restricted electives based on their intended career path. Graduates 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.

Health care professionals are in high demand nationwide. Students choosing to pursue graduate programs in athletic training, occupational therapy, physical therapy, physician assistant, or other health-related fields should consider the pre-health professional track. The pre-health professional track allows the student to complete the EXS core course requirements and the prerequisite coursework required for their intended graduate program. Students should note that completing MSU's Bachelor of Science in Exercise Science/Pre-Health Professional Track 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. This track's flexible design provides the opportunity for students, with advisor guidance, to tailor their coursework to meet specific demands that graduate programs require for admittance.

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 *C* or better in all EXS core and track-specific courses. 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 a 75% on the exam to graduate with an EXS degree. The exam is offered on select dates and is taken by seniors during the last semester in the EXS program.

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 *C* or better, the course cannot be repeated again for the EXS program and the student can no longer progress through the EXS program.

AREA:
Exercise Science/Pre-Health Professional Track

Bachelor of Science CIP 31.0505

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

University Studies selections must include:

•Scientific Inquiry, Methodologies, and Quantitative Skills

BIO 101 Biological Concepts
or
BIO 216 Biological Inquiry and Analysis
or
BIO 221 Zoology: Animal Form and Function
CHE 111 Essentials of Chemistry and Biochemistry
or
CHE 201 General College Chemistry
MAT 140 College Algebra

•Social and Self-Awareness and Responsible Citizenship

HEA 260 Introduction to Medical Ethics
PHI 202 Ethics
PSY 180 General Psychology

•University Studies Electives

MAT 145 Trigonometry
STA 135 Introduction to Probability and Statistics

Core Courses ..... 51 hrs

BIO 227 Human Anatomy
BIO 228 Human Anatomy Laboratory
BIO 229 Human Physiology
BIO 230 Human Physiology Laboratory
EXS 100T Transitions
EXS 101 Introduction to Exercise Science
EXS 200 Scholarly Writing in Exercise Science
EXS 201 Data Evaluation in Exercise Science
EXS 295 Acute Care of the Physically Active
EXS 301 Care and Prevention of Injuries
EXS 333 Theory/Techniques in Strength and Conditioning
EXS 350 Exercise Physiology
EXS 351 Exercise Physiology Laboratory
EXS 353 Exercise Testing and Prescription
EXS 354 Exercise Testing and Prescription Laboratory
EXS 370 Kinesiology
EXS 375 Biomechanics in Sport and Exercise
EXS 385 Sport and Exercise Psychology
EXS 415 Exercise Testing and Prescription for Clinical Populations
EXS 445 Senior Seminar I
EXS 469 Professional Experience I
EXS 471 Organizational Management in Health Science
NTN 230 Nutrition

Restricted Electives ..... 26 hrs
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).

BIO 120 Scientific Etymology
BIO 220 Clinical Terminology
BIO 300 Introductory Microbiology
CHE 202 General Chemistry and Qualitative Analysis
CHE 312 Organic Chemistry I
EXS 275 Exercise Instruction
EXS 295 Acute Care of the Physically Active
EXS 304 Evidence-based Practice in Musculoskeletal Evaluation
EXS 400 Research Design and Statistics for Allied Health
EXS 435 Neurological Anatomy and Physiology for Applied Health Sciences
PHY 130 General Physics I
PHY 131 General Physics I Laboratory
PHY 132 General Physics II
PHY 133 General Physics II Laboratory
PSY 260 Lifespan Development
PSY 307 Abnormal Psychology
SOC 133 Introduction to Sociology
ATR 500-level courses
Career Elective *(advisor approved)*

Total Curriculum Requirements ..... 120 hrs

AREA:
Exercise Science/Exercise Physiology Track

Bachelor of Science CIP 31.0505

University Studies Requirements ..... 43 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
or
CHE 201 General College Chemistry
MAT 150 Algebra and Trigonometry (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
STA 135 Introduction to Probability and Statistics

Core Courses ..... 51 hrs

BIO 227 Human Anatomy
BIO 228 Human Anatomy Laboratory
BIO 229 Human Physiology
BIO 230 Human Physiology Laboratory

EXS 100T Transitions
EXS 101 Introduction to Exercise Science
EXS 275 Exercise Instruction
EXS 295 Acute Care of the Physically Active
EXS 301 Care and Prevention of Injuries
EXS 333 Theory/Techniques in Strength and Conditioning
EXS 350 Exercise Physiology
EXS 351 Exercise Physiology Laboratory
EXS 353 Exercise Testing and Prescription
EXS 354 Exercise Testing and Prescription Laboratory
EXS 370 Kinesiology
EXS 375 Biomechanics in Sport and Exercise
EXS 385 Sport and Exercise Psychology
EXS 415 Exercise Testing and Prescription for Clinical Populations
EXS 445 Senior Seminar I
EXS 469 Professional Experience I
EXS 471 Organizational Management in Health Science
NTN 230 Nutrition

Restricted Electives..... 26 hrs
Students must take at least 26 hours from the list. Ten of the 26 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.
EXS 356 Health Promotion Programming
EXS 400 Research Design and Statistics for Allied Health
EXS 433 Advanced Practices in Strength and Conditioning
EXS 446 Senior Seminar II
EXS 465 Advanced Exercise Physiology
EXS 470 Professional Experience II
GCM 151 Introduction to Graphic Communications
or
GCM 153 Electronic Imaging
HEA 303 Health Behavior
HEA 311 Epidemiology
LST 240 The Legal Environment in Business
MGT 350 Fundamentals of Management
MGT 358 Entrepreneurial Business Plan Development
MGT 370 Sports Business
MKT 360 Principles of Marketing
NLS 402 Financial Resource Management and Fund Development
NTN 333 Nutrition Throughout the Life Cycle
Advisor-approved career elective

Total Curriculum Requirements ..... 120 hrs

Exercise Science Minor .....21 hrs
EXS 101, 333, 350, 351, 353, 370; and at least five hours from the following: EXS 295, 301, 354, 356, 375, 385, 415, or 465. A minimum 2.50 GPA is required for admission and retention. Students must earn a grade of *C* or higher in all minor coursework. If an exercise 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.

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 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.

AREA:
Nutrition, Dietetics and Food Management/Dietetics Track
Bachelor of Science CIP 19.0501

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

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

University Studies Requirements..... 38-43 hrs
(See *Academic Degrees and Programs*.)

University Studies selections must include:
•Scientific Inquiry, Methodologies, and Quantitative Skills
CHE 105 Introductory Chemistry
MAT 140 College Algebra
STA 135 Introduction to Probability and Statistics
•Social and Self-Awareness and Responsible Citizenship
PSY 180 General Psychology
•University Studies Electives
CSC 199 Introduction to Information Technology

GDS 201 Introduction to Gender and Diversity Studies
or
SOC 133 Introduction to Sociology

Core Requirements ..... 40 hrs
BIO 115 The Cellular Basis of Life
BUS 140 Foundations of Business
MGT 350 Fundamentals of Management
NTN 100T Transitions
NTN 200 Introduction to the Profession
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

Dietetics Courses ..... 34 hrs
BIO 120 Scientific Etymology
BIO 220 Clinical Terminology
BIO 229 Human Physiology
BIO 230 Human Physiology Laboratory
BIO 300 Introductory Microbiology
CHE 210 Brief Organic Chemistry
CHE 330 Basic Biochemistry
NTN 330 Nutrient Metabolism
HEA 415 Communication Techniques for Health Care Providers
or
NTN 350 Nutrition Counseling and Education
NTN 434 Clinical Dietetics Practicum
NTN 440 Medical Nutrition Therapy I
NTN 445 Pathophysiology for Nutrition-Related Diseases
NTN 450 Medical Nutrition Therapy II
NTN 460 Advanced Clinical Cases
and elective hours as needed to meet university requirements.

Total Curriculum Requirements ..... 120 hrs

AREA:
Nutrition, Dietetics and Food Management/ Food Management Track
Bachelor of Science CIP 19.0501

University Studies Requirements ..... 39-40 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
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
PSY 300 Principles and Methods of Statistical Analysis
or
STA 135 Introduction to Probability and Statistics
FCS 359 Methods of Teaching Family and Consumer Sciences
MGT 350 Fundamentals of Management
NTN 100T 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 497 Trends and Issues in Nutrition and Foods

Electives ..... 10-12 hrs

Total Curriculum Requirements ..... 120 hrs

AREA:
Nutrition, Dietetics and Food Management/ Nutrition and Foods Track
Bachelor of Science CIP 19.0501

University Studies Requirements ..... 39-40 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
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
PSY	300	Principles and Methods of Statistical Analysis
	or	
STA	135	Introduction to Probability and Statistics
FCS	462	Methods of Teaching Family and Consumer Sciences
MGT	350	Fundamentals of Management
NTN	100T	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	330	Nutrient Metabolism

Electives ..... 14-17 hrs

Total Curriculum Requirements ..... 120 hrs

Nutrition Minor . . . . . .22 hrs
FCS 462, NTN 230, 231, 330, 333, 412, and 445.

Public and Community Health

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).

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 grade of *C* or better in Public and Community Health core courses to successfully complete the program. Additionally, a grade of *B* or better in MAT 140 (or higher) and a grade of *C* or better in BIO 101 and CHE 105 or CHE 111 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 *C* or better, the course cannot be repeated again for the Public and Community Health program and the student can no longer progress through the program.

Department approval is required to transfer in HEA 110, 200, 210, 301, 311, 356, 415, 460, 470, and 499 from other institutions.

AREA:
Public and Community Health
Bachelor of Science CIP 51.2208

University Studies Requirements..... 41-42 hrs
(See *Academic Degrees and Programs*.)

University Studies selections must include:
•***Scientific Inquiry, Methodologies, and Quantitative Skills***

BIO	101	Biological Concepts
MAT	140	College Algebra *(or higher math)*

•Social and Self-Awareness and Responsible Citizenship

HEA 260 Introduction to Medical Ethics
or
PHI 202 Ethics
PSY 180 General Psychology

•University Studies Electives

CSC 101 Introduction to Problem Solving Using Computers
or
CSC 199 Introduction to Information Technology

Core Courses ..... 44 hrs

HCA 450 Human Resource Management in Health Care
HEA 100T Transitions
HEA 191 Personal Health
HEA 201 Introduction to Public and Community Health
HEA 301 Chronic and Communicable Diseases
HEA 302 Consumer Health
HEA 303 Health Behavior
HEA 311 Epidemiology
HEA 448 Health Policy
HEA 490 Senior Seminar in Public and Community Health
HEA 499 Professional Experience in Public and Community Health (6 hrs)
HIA 301 Overview of the Healthcare Delivery System
HIA 401 Health Care Quality Management
and one of the following:
HEA 310 Biostatistics in Public Health
PSY 300 Principles and Methods of Statistical Analysis
STA 135 Introduction to Probability and Statistics
and one of the following:
EXS 400 Research Design and Statistics for Applied Health
NTN 303 Research Concepts in Food and Nutrition
PSY 301 Principles and Methods of Psychological Research
SWK 303 Principles and Methods of Research

Area of Emphasis..... 24-32 hrs

Select one subject area from the following:

Healthcare Administration

BUS 215 Business Communication
or
COM 380 Organizational Communication
COM 340 Intercultural Communication
or
HCA 395 Cultural Diversity for Health Care Organizations
HCA 405 Hospital and Health Services Administration
HCA 410 Health Care Planning
HCA 415 Financial Aspects of Health Service Organizations
HEA 356 Health Promotion Programming
HEA 475 Health Assessment and Evaluation
NLS 351 Leadership, Governance, and Board Development

Health Education and Promotion

HEA 304 Mental Health: A Public Health Perspective
HEA 350 Foundations of Community Health Education
HEA 356 Health Promotion Programming
HEA 412 Environmental Health: A Public Health Perspective
HEA 460 Human Sexuality
HEA 470 Education for Drug Abuse Prevention
HEA 475 Health Assessment and Evaluation
NTN 230 Nutrition

Health Informatics Administration

BIO 120 Scientific Etymology
BIO 220 Clinical Terminology
CIS 317 Principles of Information Systems Analysis and Design
HCA 405 Hospital and Health Services Administration
HCA 410 Health Care Planning
HCA 415 Financial Aspects of Health Service Organizations
HIA 302 Legal Aspects of Health Information Administration
HIA 303 Health Care Coding
HIA 402 Medical Coding and Reimbursement
HIA 410 Healthcare Data Structures and Management
TSM 351 Principles of Information Security
and one of the following:
CSC 145 Introduction to Programming
CSC 232 Introduction to Programming in C#
CSC 235 Programming in C++

Unrestricted Electives..... 3-11 hrs

Total Curriculum Requirements ..... 120 hrs

Community Health Coordinator Minor . . . . . .21 hrs

HEA 191, 301, 303, 350, 480, and HIA 301 and 401. A minimum 2.75 GPA and interview is required for admission. Students must earn a grade of *B* or higher 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.

Public and Community Health Minor . . . . . .21 hrs

HEA 191, 201, 301, 302, 303, 311, and HIA 301. A minimum 2.50 GPA is required for admission and retention. Students must earn a grade of *C* or higher 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.

Graduate Programs

Nutrition

The Master of Science (M.S.) in Nutrition is a 35 or 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 degrees. 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 35-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.

Master of Science
Nutrition/Internship Concentration CIP 19.0501

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).

Total Course Requirements ..... 38 hours

HEA 610 Biostatistics in Public Health
NTN 610 Research and Writing for Nutrition Professionals
NTN 620 Nutrition for the Aging Adult
NTN 623 Leadership and Management in Food, Nutrition, and Dietetics
NTN 656 Nutrition Research Literature Review[L]
NTN 660 Research Project in Nutrition I[R]
NTN 661 Research Project in Nutrition II

Internship Concentration

NTN 615 Supervised Professional Practice Primer
NTN 640 Dietetics Clinical Training Primer
NTN 641 Nutrition Therapy I
NTN 642 Management Practice in Dietetics
NTN 643 Community Nutrition[PT]
NTN 651 Medical Nutrition Therapy II
NTN 653 Advanced Clinical Practice

Master of Science
Nutrition/Non-Internship Concentration CIP 19.0501

Requirements for Admission

Applicants must meet the Murray State University requirements (see *Graduate Admissions*).

Total Course Requirements ..... 35 hours

HEA 610 Biostatistics in Public Health
NTN 610 Research and Writing for Nutrition Professionals
NTN 620 Nutrition for the Aging Adult
NTN 623 Leadership and Management in Food, Nutrition, and Dietetics
NTN 656 Nutrition Research Literature Review[L]
NTN 660 Research Project in Nutrition I[R]
NTN 661 Research Project in Nutrition II

Non-Internship Concentration

NTN 621 Performance Nutrition
NTN 622 Trends in the Food Supply
NTN 630 Nutritient Metabolism
NTN 633 Nutrition Throughout the Life Cycle
NTN 645 Pathophysiology for Nutrition-Related Diseases

Approved elective ..... 3 hrs

Occupational Therapy

Occupational Therapy (OT) is a medical-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 GPA of 3.0, 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). *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 entry-level OT program has applied for accreditation and has been granted *Candidacy Status* 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. The program must have a preaccreditation review, complete an on-site evaluation, and be granted *Accreditation Status* **before its graduates 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. Level II fieldwork must be completed within 24 months following completion of the didactic portion of the program.

The OT program will be offered at the Murray State Paducah Regional Campus with clinical experiences occurring both regionally and nationally. Students must be prepared to relocate out of the Western Kentucky area for one Level II fieldwork placement, 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.

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 under 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. Non-EXS majors will be considered on an individual basis to determine eligibility.

Students admitted to the master's program through the accelerated route that have 30 or fewer hours to complete all requirements of a baccalaureate degree, that successfully complete the curriculum sequence of OTR 600-OTR 643 with a *B* or better, and that earn an overall GPA of 3.0/4.0, must challenge the 500-level credit via a departmental challenge procedure. Departmental challenge fees will apply. The 500-level challenge credit will apply toward the baccalaureate degree. After successful completion of challenge exam requirements, and after the third semester of the professional program, students 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 grade of *B* or better. 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 -5 credits
(*no introductory courses*)
Psychology – 3 credits
Lifespan/Developmental Psychology – 3 credits
Abnormal Psychology – 3 credits
Statistics – 3 -4 credits
Medical Terminology – 2 -3 credits

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 - Admittance will be contingent upon receipt of official documentation providing proof of satisfactory completion of the following:

Current Basic Life Support certification
Professional Liability Insurance (admitted students will be provided detailed requirements of coverage)
Physical examination
Drug screen
Immunization record (including Hepatitis B or signed HBV waiver, influenza, and TB)
Criminal background check
Child and Family Service Review

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 3.0/4.0 GPA or better in all coursework and a B or better in clinical education coursework;

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 to clinical rotations; and

•demonstrate the ability to 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.

Graduation Requirements

Students must:

•Complete all required coursework with a 3.0/4.0 GPA or better in all coursework and a B or better in clinical education coursework.

•Demonstrate the ability to 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.

Master of Science
Occupational Therapy

CIP 51.2306

Total Curriculum Requirements ..... 72 hours

OTR	600	Occupational Therapy Foundations I
OTR	603	Functional Anatomy
OTR	606	Occupational Therapy Evaluation Techniques
OTR	610	Occupational Therapy Disease and Performance
OTR	613	Occupational Science
OTR	620	Occupational Therapy Foundations II
OTR	623	Occupational Therapy Culture and Context
OTR	626	Occupational Development
OTR	630	Biomechanical Evaluation and Interventions
OTR	635	Occupational Therapy Neuroscience
OTR	640	Clinical Practicum I
OTR	643	Occupational Therapy Neurological Evaluation and Interventions
OTR	646	Administration and Management of Therapy Services
OTR	650	Occupational Therapy Media and Modalities I
OTR	653	Pediatric Evaluation and Interventions
OTR	655	Clinical Practicum II
OTR	660	Occupational Therapy Evidence-Based Practice
OTR	663	Psychosocial Evaluation and Interventions
OTR	665	Occupational Therapy Media and Modalities II
OTR	667	Community-Based Practice
OTR	670	Clinical Practicum III
OTR	672	Level 2 Fieldwork I
OTR	674	Clinical Research I
OTR	676	Level 2 Fieldwork II
OTR	678	Clinical Research II

Students must complete all Level 2 Fieldwork within 18 months following completion of the didactic portion of the program.

Nursing

Dean: Marcia Hobbs. **Faculty:** Armstrong, Ballard, Byers, Coleman, Fowler, Garth, Hobbs, Jones, Laffoon, Mailow, Murch, Naber, Perlow, Reid, Rogers, Rust, Schmitz, Thurman, Thurmond, Tinsley, Todd.

Nursing offers two degree programs, the baccalaureate program leading to the Bachelor of Science in Nursing (B.S.N.) and the Doctor of Nursing Practice (D.N.P.). The B.S.N. and D.N.P. are accredited by the Commission on Collegiate Nursing Education. The D.N.P., 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)[1].

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, 201, and 205.

Students must earn a grade of *C* or better 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 B.S.N. and R.N.-B.S.N.).

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.

[1]Applicants 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).

AREA: Nursing

Bachelor of Science in Nursing — CIP 51.3801

ACCREDITED BY: Commission on Collegiate Nursing Education (CCNE)

University Studies Requirements ..... 42 hrs

•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
BIO 101 Biological Concepts[1]
or
BIO 221 Zoology: Animal Form and Function
MAT 140 College Algebra[1]
STA 135 Introduction to Probability and Statistics[1]
•Social and Self-Awareness and Responsible Citizenship
PHI 202 Ethics[1]
PSY 180 General Psychology[1]
•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 Approved Electives
CHE 111 Essentials of Chemistry and Biochemistry
One University Studies elective

Required Courses ..... 78 hrs
BIO 227 Human Anatomy
BIO 228 Human Anatomy Laboratory
BIO 229 Human Physiology
BIO 230 Human Physiology Laboratory
EDP 260 Psychology of Human Development
NTN 230 Nutrition
NUR 100T Transitions
NUR 200 Introduction to Nursing Concepts
NUR 202 Nursing Assessment and Basic Interventions
NUR 205 Pharmacology in Nursing
NUR 206 Nursing Practice Fundamentals
NUR 301 Pathophysiology for Nursing Practice
NUR 302 Nursing Care of Childbearing Families
NUR 305 Nursing Care of Childrearing Families
NUR 306 Introduction to Research in Nursing
NUR 307 Nursing Care of Adults I
NUR 308 Nursing Care of Adults II
NUR 400 Applied Pharmacology
NUR 402 Psychiatric Nursing
NUR 407 Integration Practicum (Basic BSN only)
NUR 408 Nursing Care of Adults III
NUR 410 Community Health Nursing (4 cr hrs)
NUR 412 Leadership and Management in Nursing

Total Curriculum Requirements ..... 120 hrs

[1]Required for area if not taken as University Studies elective.

RN to BSN

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 grade of *C* or better is required of all courses to be used toward the BSN degree, including transfer work.

Requirements for Admission to RN to BSN

The prerequisite courses for admission consideration are ENG 105; BIO 227, 228, 229, and 230; COM 161; MAT 140; STA 135; and PSY 180.

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.

AREA: Nursing/RN to BSN

Bachelor of Science in Nursing — CIP 51.3801

ACCREDITED BY: Commission on Collegiate Nursing Education (CCNE)

University Studies Requirements ..... 38-43 hrs

•Oral and Written Communication
COM 161 Introduction to Public Speaking
or
Other School approved equivalent transfer
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
STA 135 Introduction to Probability and Statistics
or
PSY 300 Principles and Methods of Statistical Analysis
or
PSY 591 Statistics
or
Other School approved equivalent transfer
MAT 140 College Algebra
One science or mathematics course
or
Other School approved equivalent transfer
•Social and Self-Awareness and Responsible Citizenship
One University Studies elective in this category
and
PSY 180 General Psychology
•World's Historical, Literary, and Philosophical Traditions
Two University Studies electives in this category
•University Studies Approved Electives
Eight hours from the list of University Studies courses with no more than two courses from any one category.

Note: See required courses before selecting mathematics and science electives.

Required Courses ..... 75 hrs

BIO 227 Human Anatomy
BIO 228 Human Anatomy Laboratory
BIO 229 Human Physiology
BIO 230 Human Physiology Laboratory
BIO 300 Introduction of Microbiology
or
CHE 105 Introductory Chemistry
or
CHE 111 Essentials of Chemistry and Biochemistry
NUR 306 Introduction to Research in Nursing
NUR 314 Professional Nursing Practice
NUR 341 Nursing Assessment
NUR 403 Community Nursing
NUR 404 Leadership and Management in Nursing
NUR 405 The Nursing Profession and Health Care Delivery
NUR elective (3 hrs)

Courses required by validation or challenge

NUR 302 Nursing Care of Childbearing Families
NUR 305 Nursing Care of Childrearing Families
NUR 307 Nursing Care of Adults I
NUR 308 Nursing Care of Adults II
NUR 407 Integration Practicum

Unrestricted Elective ..... 3 hrs

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

Graduate Programs

Graduate Coordinator - Dina Byers

Doctor of Nursing Practice (DNP)

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; and
- 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.)

Nurse Anesthesia Specific 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 exames preferred.

*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 Graduate Coordinator, 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. 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 grade of C or better 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. 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.

Doctor of Nursing Practice/ Family Nurse Practitioner Specialization CIP 51.3818

ACCREDITED BY: Commission on Collegiate Nursing Education (CCNE)

Total Course Requirements ..... 76 hours

Core Courses ..... 38 hrs
NUR 603 Theory and Concept Analysis in Nursing
NUR 630 Research in Nursing[R]
NUR 631 Evidence-Based Clinical Practice[L]
NUR 642 Advanced Pharmacology
NUR 673 Pathophysiology in Advanced Nursing Practice
NUR 900 Philosophy of Science
NUR 901 Foundations of Advanced Nursing Practice
NUR 902 Ethics in Nursing
NUR 903 Principles of Epidemiology
NUR 905 Health Care Policy
NUR 906 Leadership/Management of Systems
NUR 909 Capstone[R]
NUR 912 Capstone Residency[1]

Clinical Courses ..... 10 hrs
NUR 641 Advanced Nursing Assessment
NUR 910 Advanced Practice Clinical Residency[PT]

Specialty Courses..... 25 hrs
NUR 929 Introduction to Primary Care
NUR 931 Primary Care of the Family I
NUR 932 Primary Care of the Family Clinical I
NUR 933 Primary Care of the Family II
NUR 934 Primary Care of the Family Clinical II
NUR 936 Advanced Primary Care Practicum[PT]
NUR 937 Primary Care III

Additional Course..... 3 hrs
STA 660 Biostatistics

[1]Will be taken three times for a total of three credit hours.

Doctor of Nursing Practice/ Nurse Anesthesia Specialization CIP 51.3818

ACCREDITED BY: Council on Accreditation of Nurse Anesthesia Educational Programs (COA) and Commission on Collegiate Nursing Education (CCNE)

Total Course Requirements ..... 81 hours

Advanced Nursing Core Courses ..... 38 hrs
NUR 603 Theory and Concept Analysis in Nursing
NUR 630 Research in Nursing[R]
NUR 631 Evidence-Based Clinical Practice[L]
NUR 642 Advanced Pharmacology
NUR 673 Pathophysiology in Advanced Nursing Practice
NUR 900 Philosophy of Science
NUR 901 Foundations of Advanced Nursing Practice
NUR 902 Ethics in Nursing
NUR 903 Principles of Epidemiology
NUR 905 Health Care Policy
NUR 906 Leadership and Quality Improvement/Patient Safety
NUR 909 Capstone[R]
NUR 912 Capstone Residency

Clinical Courses ..... 10 hrs
NUR 641 Advanced Nursing Assessment
NUR 949 Clinical Residency for Nurse Anesthesia[PT]

Clinical Specialty Courses..... 30 hrs
NUR 940 Introduction to Principles and Practice of Nurse Anesthesia II
NUR 941 Basic Principles and Practice of Nurse Anesthesia
NUR 942 Physiology and Anesthetic Implications I
NUR 943 Principles and Practice of Nurse Anesthesia for Special Populations
NUR 944 Advanced Pharmacology Nurse Anesthesia
NUR 945 Physiology and Anesthetic Implications II
NUR 946 Advanced Physiology and Anesthetic Application[PT]
NUR 947 Advanced Principles and Practice of Nurse Anesthesia
NUR 948 Senior Seminar I and II

Additional Course..... 3 hrs
STA 660 Biostatistics

[1]NUR 912 will be taken for three semesters.
[2]NUR 948 will be taken for two semesters.

Doctor of Nursing Practice/MSN to DNP CIP 51.3818

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);
- submission of a one to three, double-spaced pages listing reasons for the seeking of doctoral study, including short- and long-term professional goals; 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 a 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.

Total Course Requirements ..... 32 hours

Core Courses ..... 20 hrs

NUR 631 Evidence-Based Clinical Practice[L]
NUR 900 Philosophy of Science
NUR 902 Ethics in Nursing
NUR 903 Principles of Epidemiology
NUR 905 Health Care Policy
NUR 906 Leadership/Management of Systems
NUR 909 Capstone[R]

Clinical Course ..... 9 hrs

NUR 911 Clinical Residency I, II, III[PT]

Additional Course ..... 3 hrs

STA 660 Biostatistics