



School of Nursing and Health Professions

Dina Byers, Interim Dean
121 Mason Hall
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UNITS

Applied Health Sciences	233	Nursing	241
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PROGRAMS

UNDERGRADUATE

Baccalaureate

Exercise Science
Nursing
Nursing/RN to BSN
Nutrition and Dietetics
Public and Community Health

Minor

Community Health Coordinator
Movement 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:** Alvey, Byrd, Crouch, Dodd, J. Erdmann, Geraci, Kalinski, Maghrabi, Molla, 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 Ethics of Healthcare Decision Making

or

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 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

EXS 354 Exercise Testing Laboratory

EXS 370 Kinesiology

EXS 375 Biomechanics in Sport and Exercise

EXS 385 Sport and Exercise Psychology

EXS 405 Exercise Prescription

EXS 445 Senior Seminar I

EXS 469 Professional Experience I

EXS 471 Organizational Management in Health Science

NTN 230 Nutrition

Restricted Electives..... 37 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 310 Organic Chemistry I

and

CHE 311 Organic Chemistry I Laboratory

EXS 201 Data Evaluation in Exercise Science

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 415 Exercise Testing and Prescription for
Clinical Populations

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	200	Scholarly Writing in Exercise Science
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
EXS	354	Exercise Testing Laboratory
EXS	370	Kinesiology
EXS	375	Biomechanics in Sport and Exercise
EXS	385	Sport and Exercise Psychology
EXS	405	Exercise Prescription
EXS	445	Senior Seminar I
EXS	469	Professional Experience I
EXS	471	Organizational Management in Health Science
NTN	230	Nutrition

Restricted Electives..... 27 hrs

Students must take at least 27 hours from the list. Ten of the 27 hours must be 300-level or above to meet graduation requirements. If the student elects to complete an approved minor, the minor hours plus an additional 1-6 hours from the restricted electives may be required to meet the 120 hour requirement for graduation.

EXS	201	Data Evaluation in Exercise Science
EXS	275	Exercise Instruction
EXS	295	Acute Care of the Physically Active
EXS	356	Health Promotion Programming
EXS	400	Research Design and Statistics for Allied Health
EXS	415	Exercise Testing and Prescription for Clinical Populations
EXS	433	Advanced Practices in Strength and Conditioning
EXS	446	Senior Seminar II
EXS	460	Practicum
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

Movement Science Minor 22-23 hrs

BIO 227 and 228 or EXS 250; and BIO 229, 230; EXS 101, 275, 350; and at least two classes from the following: EXS 301, 304, 333, 353, 356, 370, 375, 385, 405, 433, 471. 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 and Dietetics

The nutrition and dietetics program offers a B.S. degree with a choice of two options: dietetics or 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 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 and Dietetics/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 40-43 hrs

(See *Academic Degrees and Programs*.)

University Studies selections must include:

•Scientific Inquiry, Methodologies, and Quantitative Skills

BIO	101	Biological Concepts w/a laboratory component
BIO	115	The Cellular Basis of Life
CHE	105	Introductory Chemistry
MAT	140	College Algebra

•Social and Self-Awareness and Responsible Citizenship

PSY	180	General Psychology
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•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..... 53 hrs

BIO	227	Human Anatomy <i>and</i>
BIO	228	Human Anatomy Laboratory
		<i>or</i>
EXS	250	Anatomical Concepts in Wellness
BIO	229	Human Physiology
BIO	230	Human Physiology Laboratory
CHE	210	Brief Organic Chemistry
EXS	471	Organizational Management in Health Science
		<i>or</i>
HIA	305	Health Administration and 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
		<i>or</i>
EXS	200	Scholarly Writing in Exercise Science and
EXS	201	Data Evaluation in Exercise Science
		<i>or</i>
EXS	400	Research Design and Statistics for Allied Health
NTN	330	Nutrient Metabolism
NTN	333	Nutrition Throughout the Life Cycle
NTN	350	Nutrition Counseling and Education
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	499	Senior Seminar
STA	135	Introduction to Probability and Statistics
		<i>or</i>
HEA	310	Biostatistics in Public Health

Dietetics Courses 23 hrs

BIO	300	Introductory Microbiology
CHE	330	Basic Biochemistry
NTN	434	Clinical Dietetics Practicum
NTN	435	Introduction to Pharmacology for Allied Health Professionals
NTN	440	Medical Nutrition Therapy I
NTN	445	Pathophysiology for Nutrition-Related Diseases
NTN	450	Medical Nutrition Therapy II
NTN	460	Advanced Clinical Cases
NTN	480	Special Problems in Nutrition and Foods

and elective hours as needed to meet university requirements.

Electives 1-4 hrs**Total Curriculum Requirements 120 hrs****AREA:****Nutrition and Dietetics/Nutrition and Foods Track**

Bachelor of Science

CIP 19.0501

University Studies Requirements 39-43 hrs(See *Academic Degrees and Programs*.)

University Studies selections must include:

•Scientific Inquiry, Methodologies, and Quantitative Skills

BIO	101	Biological Concepts w/a laboratory component
BIO	115	The Cellular Basis of Life
CHE	105	Introductory Chemistry
		<i>or</i>
CHE	201	General College Chemistry
MAT	117	Mathematical Concepts (or higher math)

•Social and Self-Awareness and Responsible Citizenship

PSY	180	General Psychology
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•University Studies Electives

CSC	199	Introduction to Information Technology
GDS	201	Introduction to Gender and Diversity Studies
		<i>or</i>
SOC	133	Introduction to Sociology

Core Requirements..... 53 hrs

BIO	227	Human Anatomy <i>and</i>
BIO	228	Human Anatomy Laboratory
		<i>or</i>
EXS	250	Anatomical Concepts in Wellness
BIO	229	Human Physiology
BIO	230	Human Physiology Laboratory
CHE	210	Brief Organic Chemistry
EXS	471	Organizational Management in Health Science
		<i>or</i>
HIA	305	Health Administration and 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
		<i>or</i>
EXS	200	Scholarly Writing in Exercise Science and
EXS	201	Data Evaluation in Exercise Science
		<i>or</i>
EXS	400	Research Design and Statistics for Allied Health
NTN	330	Nutrient Metabolism
NTN	333	Nutrition Throughout the Life Cycle
NTN	350	Nutrition Counseling and Education
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	499	Senior Seminar
STA	135	Introduction to Probability and Statistics
		<i>or</i>
HEA	310	Biostatistics in Public Health

Nutrition and Foods Courses..... 3 hrs

HEA	191	Personal Health
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Electives 21-25 hrs**Total Curriculum Requirements 120 hrs****Nutrition Minor 21 hrs**

NTN 230, 231, 330, 333, 350, 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/licensure; 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 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.

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 Ethics of Healthcare Decision Making

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
<i>and one of the following:</i>		
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

AREA:

Public and Community Health/ Health and Fitness Management Track

Bachelor of Science CIP 51.2208

University Studies Requirements 38-39 hrs
(See *Academic Degrees and Programs*.)

University Studies selections must include:

•Scientific Inquiry, Methodologies, and Quantitative Skills

MAT 117 Mathematical Concepts

•Social and Self-Awareness and Responsible Citizenship

HEA 260 Ethics of Healthcare Decision Making

PSY 180 General Psychology

•University Studies Electives

ECO 231 Microeconomics

PHI 103 Critical Thinking

Core Courses 46 hrs

COM 384 Communication Skills for Professionals
or

COM 386 Corporate Communication

EXS 101 Introduction to Exercise Science

EXS 250 Anatomical Concepts in Wellness

EXS 275 Group Exercise Instruction

HEA 100T Transitions

HEA 191 Personal Health

HEA	201	Introduction to Public and Community Health
HEA	303	Health Behavior
HEA	356	Health Promotion and Programming
NTN	230	Nutrition
NTN	333	Nutrition Throughout the Lifecycle
NTN	412	Community Nutrition and Health
MGT	350	Fundamentals of Management
MKT	360	Principles of Marketing
OSH	353	Prevention of Musculoskeletal Disorders in the Workplace
STA	125	Statistical Reasoning

Restricted Electives..... 35-36 hrs

ACC	200	Principles of Financial Accounting
COM	353	Team Communication and Leadership
COM	439	Conflict and Communication
ECO	370	Economics of Sports
EXS	385	Sport and Exercise Psychology
EXS	400	Research Design and Statistics in Allied Health
EXS	471	Organizational Management in Health Science
GDS	201	Introduction to Gender and Diversity Studies
HCA	405	Hospital and Health Services Administration
HCA	410	Health Care Planning
HCA	415	Financial Aspects of Health Service Organizations
HEA	310	Biostatistics in Public Health
HEA	311	Epidemiology
HEA	415	Communication Techniques for Healthcare Providers
<i>or</i>		
MGT	354	Techniques of Oral Reporting & Management Briefings
HIA	301	Overview of the Healthcare Delivery System
LST	240	Legal Environment of Business
MGT	370	Sports Business
MKT	460	Integrated Marketing Communications
MKT	463	Consumer Behavior
NTN	231	Principles of Food Science and Preparation
NTN	350	Nutrition Counseling and Education
PHE	475	Policy and Professional Practice in Athletic Settings
Internships in desired allied health area (EXS 469, HEA 499)		
Advisor-approved Career Electives		

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 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 38-credit hour program that includes courses in nutrient metabolism, lifecycle nutrition, pathophysiology, nutrition for the aging adult, performance nutrition, trends in the food supply, statistics, and nutrition research. Students in this concentration also have the opportunity to take elective courses aligned with their professional goals. Coursework in the non-internship concentration allows graduates to apply for licensure in the state of Kentucky as a Certified Nutritionist.

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
NTN	660	Research Project in Nutrition I
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..... 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
NTN	660	Research Project in Nutrition I
NTN	661	Research Project in Nutrition II

Non-Internship Concentration

NTN	621	Performance Nutrition
NTN	622	Trends in the Food Supply
NTN	630	Nutrient 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.acotonline.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 – 1 credit

Grade point average (GPA) - GPA requirements vary depending on the applicant's route of entry.

Accelerated route - A cumulative and prerequisite GPA of greater than or equal to 3.2 on a 4.0 scale is required.

Traditional route - A cumulative and prerequisite GPA of greater than or equal to 3.0 on a 4.0 scale is required.

Occupational therapy-related experience - The applicant must provide documentation of at least 80 clock hours of observation, volunteer, or paid experience in two or more occupational therapy settings. At least half of the required hours must be under the supervision of a licensed occupational therapist.

Recommendations - The applicant must provide three professional recommendations. At least one of the recommendations must be from a licensed OT who has supervised the applicant work, volunteer or observe in the clinical setting. The other two references must be from a professional interaction. Recommenders must be able to provide insight as to the applicant's professionalism and potential as a graduate student.

Graduate Record Exam (GRE) - The applicant must provide scores from the GRE taken within the past five years. To submit GRE scores to Murray State University in Kentucky, enter the following code - 1494.

Application submission - Prior to the deadline, the applicant must submit an application through an online application system and to the Murray State University Graduate School. For detailed admission requirements and application deadlines, visit the OT Program website.

Other - 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

Interim Chair Dana Todd. **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 pre-licensure 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.

¹Applicants 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 Concepts¹

or

BIO 221 Zoology: Animal Form and Function

MAT 140 College Algebra¹

STA 135 Introduction to Probability and Statistics¹

•Social and Self-Awareness and Responsible Citizenship

PHI 202 Ethics¹

PSY 180 General Psychology¹

•World's Historical, Literary, and Philosophical Traditions

CIV 201 World Civilizations I

or

CIV 202 World Civilizations II

HUM 211 The 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

¹Required 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 elective (3 hrs)

Courses required by validation or challenge

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

NUR 408 Nursing Care of Adults III

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 exams 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 631 Advanced Nursing Research and Evidence-Based Practice^L
- NUR 642 Advanced Pharmacology
- NUR 673 Pathophysiology in Advanced Nursing Practice I
- NUR 674 Pathophysiology in Advanced Nursing Practice II
- 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 Residency¹

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

¹Will 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..... 84 hours

Advanced Nursing Core Courses 38 hrs

- NUR 603 Theory and Concept Analysis in Nursing
- NUR 631 Advanced Nursing Research and Evidence-Based Practice
- NUR 642 Advanced Pharmacology
- NUR 673 Pathophysiology in Advanced Nursing Practice I
- NUR 674 Pathophysiology in Advanced Nursing Practice II
- 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
- NUR 912 Capstone Residency

Clinical Courses 10 hrs

- NUR 641 Advanced Nursing Assessment
- NUR 949 Professional Aspects and Clinical Residence for Nurse Anesthesia

Clinical Specialty Courses..... 33 hrs

- NUR 939 Foundations of Nurse Anesthesia Practice I
- NUR 940 Foundations of Nurse Anesthesia Practice II
- NUR 941 Principles and Practice of Nurse Anesthesia I
- NUR 943 Principles and Practice of Nurse Anesthesia II
- NUR 945 Principles and Practice of Nurse Anesthesia III
- NUR 946 Principles and Practice of Nurse Anesthesia IV
- NUR 948 Senior Seminar I and II
- NUR 950 Chemistry and Physics for Nurse Anesthesia Practice

Additional Course..... 3 hrs

- STA 660 Biostatistics

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 Advanced Nursing Research and Evidence-Based 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