



# School of Nursing and Health Professions

Marcia Hobbs, Dean  
121 Mason Hall  
270-809-2193

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## UNITS

Applied Health Sciences	334	Nursing	347
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## PROGRAMS

### UNDERGRADUATE

- Baccalaureate
- Athletic Training
- Community Health
- Exercise Science
- Health Information Administration
- Nursing
- Nursing/RN to BSN
- Nutrition, Dietetics and Food Management

### GRADUATE

- Master's
- Nursing
- Nutrition
- Doctorate
- Nursing Practice
- Certificate
- Registered Dietian (R.D.)

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## School of Nursing and Health Professions

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

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### Department of Applied Health Sciences

408B Applied Science Building  
270-809-5742

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**Chair:** Michael Kalinski. **Faculty:** Broughton, Crouch, Dodd, Erdmann, Jagers, Pleban, Rice, Stanczyk, Waggoner, Yates

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 degree is offered in athletic training. This program prepares students to become certified athletic trainers and is accredited by the Commission on Accreditation of Athletic Training Education.

A bachelor of science degree is offered in community health. Community Health educators work in a variety of settings including hospitals, non-profit organizations, government, private business, as well as medical clinics and health departments. The area in Community Health provides an opportunity for students who have an interest in health related disciplines to pursue a viable career in the field.

A bachelor of science degree is offered in exercise science. Two tracks are available in pre-health professional and wellness. This program prepares students to pursue graduate programs and to take national 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 degree 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.

### Accreditations

The following degree programs hold national accreditations: B.S. in Athletic Training (Commission on Accreditation of Athletic Training Education); both the undergraduate dietetics and graduate Registered Dietitian Certificate (Accreditation Council for Education in Nutrition and Dietetics); B.S. in Exercise Science through the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

### Athletic Training

An athletic trainer is a health care professional whose services comprise prevention, emergency care, clinical diagnosis, therapeutic intervention, and rehabilitation of injuries and medical conditions. In cooperation with physicians and other health care personnel, the athletic trainer functions as an integral member of the health care team in settings such as secondary schools, colleges and universities, professional sports programs, and sport medicine clinics.

### Athletic Training Requirements for Admission

A considerable time commitment is required to successfully complete all the requirements in the Athletic Training Program (AT Program). Students are selected using a competitive admission process due to limited space availability at the clinical sites. To be considered for admission into the AT Program, students must achieve and maintain a cumulative GPA of 2.5 on a 4.0 scale, pass at least 30 semester hours of college credit, complete at least 30 observation hours and/or pass EXS 270, meet the Technical Standards (see AT Program website), and apply by the deadline (by the first Friday in November or the first Friday of the spring semester). The AT Program Admission Committee reviews the following materials for admission: application, candidate interview, overall college GPA, ACT/SAT scores, prior experience, certifications/professional memberships, performance reviews during their observation hours and/or EXS 270, college courses completed, and three letters of recommendation. Only those candidates admitted into the AT Program who have successfully completed an approved CPR/First Aid course may take the clinical experience courses (EXS 271, 371, 372). Students may transfer into the program based on their credentials, courses completed at another institution, space availability, and permission from the AT Program Director. Department approval is required to transfer in EXS 295, 296, 301, 304, 305, 320, 390, 402, 403, 420, 421, and 471 from other institutions.

With the exception of first-semester freshmen, all students must have a cumulative GPA of 2.0 and have completed all developmental courses prior to declaring athletic training as an area. Students must earn a grade of *B* or better in EXS 271, 371, and 372; additionally, a grade of *C* or better is required in the other Athletic Training Core Courses. Students with a grade below a *C* in EXS 301 or 304 may not continue with the AT Program progression and must retake the course the next semester offered. Students must achieve a cumulative GPA of 2.5 or higher prior to enrolling in EXS 320, 390, 402, 403, 420, 421, and 471. If the student's cumulative GPA drops below the required 2.5, the student will be placed on AT program academic probation. Students should refer to the current AT program's GPA policy (see AT program web site) for further explanation. Students have up to three opportunities to meet the grade requirement in a course. If on the third attempt, the student is still unable to meet the grade requirement, the course cannot be repeated again and the student can no longer progress through the AT program.

Students must maintain confidentiality at the clinical site(s), show respect for faculty, staff, and patients at all times, and demonstrate adequate performance of the Essential Skills (see AT Program web site) to be admitted and retained in the AT Program. All students must meet the Technical Standards established to assure the health and safety of the candidate, other athletic training students, faculty, staff, and patients. All candidates are required to complete a physical exam upon acceptance into the AT Program and provide proof of proper immunizations, including the Hepatitis B vaccination (HBV) or a signed HBV waiver.

Athletic training students must purchase and consistently maintain professional liability insurance to a level of no less than \$1,000,000/incident, \$3,000,000 aggregate before participating in any clinical experience course. Students must purchase proper attire to be worn at the clinical sites, pay for annual trainings and/or certifications, provide their own transportation to their clinical experience sites, and be responsible for any other costs (see AT Program website).

Any student who, after reasonable accommodations, cannot perform the Essential Skills may not be permitted to continue in the AT Program. It is the student's responsibility to notify the Executive Director, Office of Institutional Diversity, Equity and Access, Murray State University, to request a reasonable accommodation. All requests for accommodation must be accompanied by appropriate documentation from a qualified professional referencing the condition and specific need for the accommodation requested.

Students who are not native speakers of English must demonstrate competence in written and spoken English. This can be accomplished by submitting a satisfactory score on either the TOEFL or IELTS, taken no earlier than two years prior to the date of application. The AT Program requires a minimum score of 79 on the internet-based TOEFL (iBT) with no band less than 19. An overall score of 6.5 is required on the IELTS with no band less than 6.0. The TOEFL or IELTS score must be submitted before application to the AT Program.

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## **AREA:** **Athletic Training**

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**Bachelor of Science Degree**  
**CIP 51.0913**

### **ACCREDITED BY:**

Commission on Accreditation of Athletic Training Education (CAATE)

**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 221 Zoology: Animal Form and Function

CHE 111 Essentials of Chemistry and Biochemistry

or

CHE 201 General College Chemistry

MAT 140 College Algebra (or higher math)

**•Social and Self-Awareness and Responsible Citizenship**

PHI 202 Ethics

PSY 180 General Psychology

**•University Studies Electives**

CSC 125 Internet and Web Page Design

or

CSC 199 Introduction to Information Technology

MAT 135 Introduction to Probability and Statistics

**Core Courses ..... 79 hrs**

BIO 227 Human Anatomy

BIO 228 Human Anatomy Laboratory

BIO 229 Human Physiology

BIO 230 Human Physiology Laboratory

EXS 100T Transitions

EXS 101 Concepts and Careers in Exercise Science and Athletic Training

EXS 271 Clinical Experience: Introduction<sup>1</sup>

EXS 295 Acute Care of the Physically Active

EXS 296 Acute Care of the Physically Active Laboratory

EXS 301 Care and Prevention of Injuries<sup>2</sup>

EXS 304 Evidence-based Practice in Musculoskeletal Evaluation<sup>2</sup>

EXS 305 Bracing, Splinting and Taping

EXS 320 Evaluation of Non-Orthopedic Conditions

EXS 333 Theory and Techniques in Strength and Conditioning

EXS 350 Exercise Physiology

EXS 353 Exercise Prescription

EXS 370 Kinesiology

EXS 371 Clinical Experience: Application<sup>1,3</sup>

EXS 372 Clinical Experience: Integration<sup>1,3</sup>

EXS 375 Biomechanics in Sport and Exercise

EXS 380 Sport Medicine Pharmacology

EXS 385 Sport and Exercise Psychology

EXS 390 Therapeutic Modalities

EXS	400	Research Design and Statistics for Allied Health
EXS	402	Evaluation of the Lower Extremity
EXS	403	Evaluation of the Upper Extremity
EXS	420	Rehabilitation Techniques
EXS	421	Rehabilitation Techniques Lab
EXS	447	Senior Seminar in Athletic Training
EXS	471	Administration in Exercise Science
NTN	230	Nutrition

**Total Curriculum Requirements ..... 121 hrs**

<sup>1</sup>Students must obtain a grade of *B* or better.

<sup>2</sup>Students must obtain a grade of *C* or better to progress in the AT Program sequence of courses.

<sup>3</sup>Students must complete a total of 12 hours from EXS 371 and 372, but no more than nine hours from each.

## Community Health

The Bachelor of Science in 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 while fulfilling the seven areas of responsibility for a health educator;
- work with individuals, groups, and families in the worksite, health behavior 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 implementing health promotion programs; and
- pass the Certified Health Education Specialist (CHES) examination.

### 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 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. Students with a grade below a *C* in Community Health core courses and/or a grade of *B* in MAT 140 (or higher) and a grade below *C* in BIO 101 and CHE 105 or CHE 111 may not continue with the Community Health Program progression and must retake the course(s) the next semester offered. Department approval is required to transfer in HEA 110, 200, 210, 301, 311, 356, 415, 460, 470, and 499 from other institutions.

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## AREA: Community Health

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### Bachelor of Science Degree

CIP 51.2208

### University Studies Requirements ..... 40-41 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 111 Essentials of Chemistry and Biochemistry

MAT 140 College Algebra (or higher math)

•**Social and Self-Awareness and Responsible Citizenship**

PHI 202 Ethics

PSY 180 General Psychology

•**University Studies Electives**

CSC 125 Internet and Web Page Design

or

CSC 199 Introduction to Information Technology

### Core Courses ..... 49 hrs

HEA 100T Transitions

HEA 110 Foundations of Community Health Education

HEA 191 Personal Health

HEA 200 Community and Consumer Health

HEA 210 Health Behavior

HEA 301 Chronic and Communicable Diseases

HEA 311 Epidemiology

HEA 356 Health Promotion Programming

EXS 400 Research Design and Statistics for Allied Health

HEA	415	Communication Techniques for Health Care Providers
HEA	460	Human Sexuality
HEA	470	Education for Drug Abuse Prevention
HEA	499	Professional Experience in Community Health Education
NTN	230	Nutrition
NTN	333	Nutrition Throughout the Life Cycle
NTN	412	Community Nutrition and Health

**Area of Community Health Courses ..... 27 hrs**

*Select one of the following:*

**Gerontology**

GTY	264	Psychology of Aging
GTY	305	Service to Older Americans
GTY	330	Death and Dying: Issues for Caregivers
GTY	340	Sociology of Medicine
GTY	341	Social Gerontology
GTY	520	Leisure and Aging
GTY	521	Issues in Social Gerontology
LST	350	Legal Services for the Elderly
PSY	310	Health Psychology

**Healthcare Administration**

COM	380	Organizational Communication
COM	439	Conflict in Communication
HCA	395	Cultural Diversity for Health Care Organizations
HCA	401	Overview of the Health Care Delivery System
HCA	405	Hospital and Health Services Administration
HCA	410	Health Care Planning
HCA	415	Financial Aspects of Health Service Organizations
PSY	310	Health Psychology
SWK	348	Technology in Human Services

**Nonprofit Leadership**

COM	340	Intercultural Communication
COM	380	Organizational Communication
MGT	350	Fundamentals of Management
MGT	550	Human Resource Management
MKT	360	Principles of Marketing
REC	302	Special Event Management
NLS	351	Leadership and Support Systems in Nonprofit Organizations
NLS	485	Seminar on Leadership Development
NLS	502	Workshop in Financial Resource Development

**Unrestricted Electives..... 3-4 hrs**

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

**Exercise Science**

The Area in Exercise Science (EXS) is accredited through the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Accreditation through CAAHEP ensures that the program meets specific standards and provides a quality educational opportunity that delivers the knowledge, skills and abilities required of exercise science professions.

The EXS program is divided into two tracks (Pre-Health Professional and Wellness) with choices in each track designed to meet the varied interests of students.

Exercise Science professionals often collaborate with other health care professionals to provide clients with information designed to manage and prevent health issues associated with physical activity. Students who are passionate about working with people interested in developing healthier lifestyles through a combination of educational programs and exercise should consider the Wellness track. Students who choose the Wellness track complete the core course requirements and select two concentrations. 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 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 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 EXS 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 EXS 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.

The EXS Pre-Health Professional program'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 freshman, all students must have a cumulative GPA of 2.0 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 grade point average of 2.5 for students pursuing the Wellness track and a 3.0 for students pursuing the Pre-Health Professional track is required prior to enrollment in most senior-level courses. The 2.5 (or 3.0 depending on the program) GPA must be maintained to graduate.

Prior to graduating with an EXS degree, all EXS students are required to take a major field test; 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 will be offered only select times per year, and can be taken by seniors after all core classes have been completed.

#### Pre-Health Professional Track

Prior to taking EXS 304, 320, 390, 402, 403, 420, 421 and/or 435, students must have

- earned a grade of C or better in all EXS core and track-specific courses,
- completed at least one of the following with a grade of C or better: CHE 111, CHE 201, PHY 130, and PHY 131,
- earned a minimum 3.0 cumulative grade point average. The 3.0 GPA must be maintained to graduate.

#### Wellness Track

Prior to taking EXS 415, 433, 445, 446, 465, 469, and 470, students must have

- earned a grade of C or better in all EXS core and track-specific courses,
- earned a minimum 2.5 cumulative grade point average. The 2.5 GPA must be maintained to graduate.

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.

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## AREA: Exercise Science/Pre-Health Professional Track

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### Bachelor of Science Degree 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 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 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

MAT 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 Concepts and Careers in Exercise Science and Athletic Training
- EXS 275 Group Fitness 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 Prescription
- EXS 354 Exercise Prescription Laboratory
- EXS 370 Kinesiology
- EXS 375 Biomechanics in Sport and Exercise
- EXS 385 Sport and Exercise Psychology
- EXS 415 Exercise Concepts in Special Populations
- EXS 445 Senior Seminar I
- EXS 469 Professional Experience I
- EXS 471 Administration in Exercise Science
- NTN 230 Nutrition

**Restricted Electives..... 26 hrs**

*Students must take at least 26 hours from the following courses. Ten of the 26 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 296 Acute Care of the Physically Active Laboratory
- EXS 304 Evidence-based Practice in Musculoskeletal Evaluation
- EXS 320 Evaluation of Non-Orthopedic Conditions
- EXS 380 Sport Medicine Pharmacology
- EXS 390 Therapeutic Modalities
- EXS 400 Research Design and Statistics for Allied Health
- EXS 402 Evaluation of the Lower Extremity
- EXS 403 Evaluation of the Upper Extremity
- EXS 420 Rehabilitation Techniques
- EXS 421 Rehabilitation Techniques Lab
- EXS 435 Neurological Anatomy and Physiology 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 407 Abnormal Psychology
- SOC 133 Introduction to Sociology
- Career Elective (advisor approved)

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



## AREA: Exercise Science/Wellness Track

**Bachelor of Science Degree**  
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 221 Zoology: Animal Form and Function  
CHE 111 Introductory Chemistry  
or  
CHE 201 General College Chemistry  
MAT 140 College Algebra (or higher math)

**•Social and Self-Awareness and Responsible Citizenship**

PHI 202 Ethics  
PSY 180 General Psychology

**•University Studies Electives**

CSC 125 Internet and Web Page Design  
or  
CSC 199 Introduction to Information Technology  
MAT 135 Introduction to Probability and Statistics

**Core Courses ..... 50 hrs**

BIO 227 Human Anatomy  
BIO 228 Human Anatomy Laboratory  
BIO 229 Human Physiology  
BIO 230 Human Physiology Laboratory  
EXS 100T Transitions  
EXS 101 Concepts and Careers in Exercise Science and Athletic Training  
EXS 275 Group Fitness Instruction  
EXS 295 Acute Care of the Physically Active  
EXS 301 Care and Prevention of Injuries  
or  
EXS 302 Essential Prevention and Management of Injuries  
EXS 333 Theory/Techniques in Strength and Conditioning  
EXS 350 Exercise Physiology  
EXS 351 Exercise Physiology Laboratory  
EXS 353 Exercise Prescription  
EXS 354 Exercise Prescription Laboratory  
EXS 370 Kinesiology  
EXS 375 Biomechanics in Sport and Exercise  
EXS 385 Sport and Exercise Psychology  
EXS 415 Exercise Concepts in Special Populations  
EXS 469 Professional Experience I  
EXS 471 Administration in Exercise Science  
NTN 230 Nutrition

**Area of Wellness Courses ..... 28-29 hrs**

*Select from the following, choosing courses from two concentrations. A minimum of 12 hours from each of the chosen concentrations is required.*

**Business**

EXS 470 Professional Experience II  
LST 240 Legal Environment in Business  
MGT 350 Fundamentals of Management  
MGT 358 Entrepreneurial Business Plan Development  
MGT 370 Sports Business  
MKT 360 Principles of Marketing



**Fitness Specialist**

EXS	400	Research Design and Statistics for Allied Health
EXS	433	Advanced Practices in Strength and Conditioning
EXS	445	Senior Seminar I
EXS	446	Senior Seminar II
EXS	465	Advanced Exercise Physiology
EXS	470	Professional Experience II
HEA	415	Communication Techniques for Health Care Providers

**Health Promotion**

EXS	356	Health Promotion Programming
EXS	470	Professional Experience II
GCM	151	Introduction to Print Media Management
HEA	210	Health Behavior
HEA	311	Epidemiology
NLS	502	Financial Resource Management and Development
NTN	333	Nutrition Throughout the Life Cycle

**Total Curriculum Requirements ..... 120-121 hrs**

**Health Information Administration**

*Contingent upon the approval of the Council on Postsecondary Education, the Department of Applied Health Sciences will begin admission to the following B.S. degree in Health Information Administration beginning August 2014. Contact the department for details.*

The Health Information Administration (HIA) program will prepare students for employment in the healthcare field. HIA professionals play a role in maintaining, collecting, interpreting, analyzing, and protecting data those health care providers rely on to deliver quality care. They provide expertise in coding and classification systems, management of patient health information, and administration of computer information systems. Graduates will interact with clinical, financial, administrative, information technology, and legal staff to interpret data for patient care, research, and statistical reporting, planning and database content development.

Murray State HIA program graduates will be qualified to take the national registration exam to earn professional recognition as a Registered Health Information Administrator (RHIA). RHIA is a credential that will assist graduates seeking employment in the healthcare field.

**AREA:****Health Information Administration****Bachelor of Science Degree**

**CIP 51.0706**

**University Studies Requirements ..... 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
MAT	140	College Algebra (or higher math)

**•Social and Self-Awareness and Responsible Citizenship**

PHI	202	Ethics
PSY	180	General Psychology

**•University Studies Electives**

CSC	199	Introduction to Information Technology
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**Core Courses ..... 49 hrs**

ACC	200	Principles of Financial Accounting
ACC	201	Principles of Managerial Accounting
BIO	120	Scientific Etymology
BIO	220	Clinical Terminology
BIO	227	Human Anatomy Lecture
BIO	228	Human Anatomy Laboratory
BIO	229	Human Physiology
CIS	407	Advanced Database Management Systems
CSC	101	Introduction to Problem Solving Using Computers
EXS	400	Research Design and Statistics for Allied Health

- HCA 405 Hospital and Health Services Administration
- HEA 100T Transitions
- HIA 301 Overview of the Healthcare Delivery System
- HIA 302 Legal Aspects of Health Information Administration
- HIA 303 Healthcare Coding and Classification
- HIA 401 Healthcare Quality Management
- HIA 499 Capstone Course in Healthcare Information Administration
- MGT 350 Fundamentals of Management
- TSM 133 Telecommunications Technology and Methods

**Emphasis..... 27-28 hours**

*Choose one of the following emphasis areas:*

**Electronic Health Records**

- BIO 522 Pathophysiology
- CIS 317 Principles of Information Systems Analysis and Design
- CIS 407 Advanced Database Management Systems
- CSC 310 Database Administration
- HIA 402 Medical Coding and Reimbursement Systems
- TSM 232 Operating Systems
- TSM 241 Networking Fundamentals
- TSM 351 Principles of Information Security
- Elective (3 hrs)

**Healthcare Data Security/Privacy**

- CSC 310 Database Administration
- TSM 232 Operating Systems
- TSM 241 Networking Fundamentals
- TSM 320 Introduction to Wireless Technology
- TSM 343 Protocol Analysis
- TSM 351 Principles of Information Security
- TSM 352 Systems Security
- TSM 440 Information Assurance Policy and Management
- Elective (3 hrs)

**Healthcare Analytics**

- BIO 522 Pathophysiology
- CIS 407 Advanced Database Management Systems
- CIS 509 Data Warehousing and Business Intelligence
- CIS 543 Data Analysis and Modeling
- CSC 125 Internet and Web Page Design
- CSC 232 Visual Basic Programming I
- CSC 310 Database Administration
- CSC 332 Visual Basic Programming II
- or
- CIS 548 Enterprise Resource Planning
- Elective (3 hrs)

**Healthcare Information Systems Integration**

- CIS 317 Principles of Information Systems Analysis and Design
- CIS 325 E-Business Programming
- CIS 525 Overview of E-Business Technologies
- or
- CIS 548 Enterprise Resource Planning
- CSC 125 Internet and Web Page Design
- CSC 145 Introduction to Programming
- or
- CSC 232 Visual Basic Programming I
- TSM 232 Operating Systems
- TSM 320 Introduction to Wireless Technology
- TSM 351 Principles of Information Security
- TSM 517 Systems Planning

Unrestricted Electives..... 3-4 hrs

Total Curriculum Requirements ..... 120 hrs

## Nutrition, Dietetics and Food Management

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

The Dietetics Track focuses on the application of principles of nutrition, physiology, biochemistry, behavioral and social sciences and management to promote optimal health in individuals, and leads to credentialing as a Registered Dietitian (R.D.). The R.D. is the nationally recognized credential in nutrition. It is required for most employment in the health care industry and preferred for many other employment opportunities in foods and nutrition. The admission requirements for the Dietetics Track are explained below. Upon successful completion of the B.S. degree program in Dietetics, a graduate must complete an accredited post-baccalaureate supervised practice program (Dietetic Internship Program) to gain eligibility for the national examination for R.D. status. Murray State also offers a post-baccalaureate dietetic internship program.

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

The Nutrition and Foods Track provides a broad education in basic nutrition and food studies leading to a variety of career possibilities in food and nutrition. Today's interest in healthy lifestyles is translating into a remarkable range of career opportunities related to health, diet, and fitness. Graduates may be employed in a variety of settings such as education, government agencies, school, media, food management, or any position where the R.D. credential is not required.

### Dietetics Admission Requirements

The Dietetics Program is accredited by the Accreditation Council for Education in Nutrition and Dietetics as a Didactic Program in Dietetics (DPD). In order to be admitted into the DPD, a student must have completed at least 30 credit hours and have a GPA of 3.0 or above with a *B* or better in NTN 230 and a *C* or better in two required science courses such as BIO 101, BIO 227, CHE 105, or CHE 210. In order to obtain a verification statement upon completion of the DPD, a student must have a GPA of at least 2.8 and at least a *C* in all DPD required courses.

## AREA:

### Nutrition, Dietetics and Food Management/Dietetics Track

Bachelor of Science Degree  
CIP 19.0501

#### ACCREDITED BY:

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

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

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

MAT 135 Introduction to Probability and Statistics

or

PSY 300 Principles and Methods of Statistical Analysis

FCS 462 Methods of Teaching Family and Consumer Sciences

MGT 350 Fundamentals of Management

NTN 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

**Dietetics Courses ..... 30-31 hrs**

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

**Electives ..... 3-6 hrs**

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

**AREA:**

**Nutrition, Dietetics and Food Management/Food Management Track**

**Bachelor of Science Degree  
CIP 19.0501**

**University Studies Requirements ..... 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

**•Social and Self-Awareness and Responsible Citizenship**

**•University Studies Electives**

- CSC 199 Introduction to Information Technology
- SOC 133 Introduction to Sociology

**Core Requirements ..... 45-46 hrs**

- BUS 140 Foundations of Business
- MAT 135 Introduction to Probability and Statistics
- or*
- PSY 300 Principles and Methods of Statistical Analysis
- FCS 462 Methods of Teaching Family and Consumer Sciences
- MGT 350 Fundamentals of Management
- NTN 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 Degree  
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
  - MAT 135 Introduction to Probability and Statistics
- or*
- PSY 300 Principles and Methods of Statistical Analysis
  - FCS 462 Methods of Teaching Family and Consumer Sciences
  - MGT 350 Fundamentals of Management

- NTN 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 430 Advanced Nutrition

**Electives ..... 14-17 hrs**

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

**Nutrition Graduate Programs**

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

**Master of Science in Nutrition**

CIP 19.0501

**Requirements for Admission**

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

- Students must receive appointment to the MSU Dietetic Internship Program from the Commission on Dietetics Education's agent.

**NON-THESIS REQUIREMENTS**

**Total Course Requirements..... 35 hours**

- NTN 640 Dietetics Clinical Training Primer
- NTN 641 Nutrition Therapy I
- NTN 642 Management Practice in Dietetics
- NTN 643 Community Nutrition<sup>PT</sup>
- NTN 650 Dietetic Clinical Nutrition Assessment and Care
- NTN 651 Medical Nutrition Therapy II
- NTN 652 Dietetics Clinical Practice in Long Term Care
- NTN 653 Advanced Clinical Practice
- NTN 656 Nutrition Research Literature Review<sup>L</sup>
- NTN 660 Research Project in Nutrition I<sup>R</sup>
- NTN 661 Research Project in Nutrition II

**Approved elective .....(1-4 hrs)**

**Other Degree Requirements**

- Student must pass the Registration Examination after 18 hours of study to continue in the program.

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**CERTIFICATE:  
Registered Dietitian (R.D.)**


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CIP 19.0501

ACCREDITED BY:

Accreditation Council for Education in Nutrition and Dietetics (ACEND)

**Requirements for Admission**

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

- Students must receive appointment to the MSU Dietetic Internship Program from the Commission on Dietetics Education's agent.

**Total Course Requirements ..... 18 hours**

NTN 640	Dietetics Clinical Training Primer
NTN 641	Nutrition Therapy I
NTN 642	Management Practice in Dietetics
NTN 643	Community Nutrition
NTN 650	Dietetic Clinical Nutrition Assessment and Care
NTN 651	Medical Nutrition Therapy II
NTN 652	Dietetics Clinical Practice in Long Term Care
NTN 653	Advanced Clinical Practice

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## Nursing

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**Dean:** Marcia Hobbs. **Faculty:** Armstrong, Ballard, Beary, Byers, Cross, Farrell, Fowler, Garth, Hobbs, Kearney, Mailow, Manley, Mendoza, Naber, Perlow, Springer, Thomas, Thurmond, Tinsley.

Nursing offers three degree programs, the baccalaureate program leading to the Bachelor of Science in Nursing (B.S.N.), the Master of Science in Nursing (M.S.N.), and the Doctor of Nursing Practice (D.N.P.). The B.S.N., M.S.N., and D.N.P. are accredited by the Commission on Collegiate Nursing Education. The M.S.N., Anesthesia Option, 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 of study, students will be eligible to apply to write the licensing examination for registered nurses (NCLEX-RN)<sup>1</sup>.

The baccalaureate nursing program is typically composed of two semesters of pre-nursing and six 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 beginning of the sophomore year of study. The student should request the application from the assigned faculty advisor. Proof of up-to-date immunizations, tuberculin testing, and CPR certification must be submitted upon acceptance to the program. The prerequisite courses for admission consideration are BIO 227, BIO 228, CHE 111, COM 161, ENG 105, MAT 140, and PSY 180. A grade point average of 2.75 and 30 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.).

Prior to admission to clinical experiences, students are responsible for obtaining, maintaining and providing official documentation of professional liability insurance (minimum of three million dollars). Admission deadlines are May 1, for fall semesters and the third week of November 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 Health Professions and in the *MSU Student Handbook*.

For further information write: Nursing Program, Murray State University, 120 Mason Hall, Murray KY 42071-3302.

<sup>1</sup>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 Degree 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<sup>1</sup>

*or*

BIO 221 Zoology: Animal Form and Function

MAT 135 Introduction to Probability and Statistics<sup>1</sup>

MAT 140 College Algebra<sup>1</sup>

##### **•Social and Self-Awareness and Responsible Citizenship**

PHI 202 Ethics<sup>1</sup>

PSY 180 General Psychology<sup>1</sup>

##### **•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

SOC 231 Social Problems<sup>1</sup>

#### **Required Courses ..... 75 hrs**

BIO 227 Human Anatomy

BIO 228 Human Anatomy Laboratory

BIO 229 Human Physiology

BIO 230 Human Physiology Laboratory

NTN 230 Nutrition

NUR 100T Transitions

NUR 200 Introduction to Nursing Concepts

NUR 201 Nursing Assessment

NUR 203 Mental Health Nursing

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 409 Issues in Health Care Delivery
- NUR 410 Community Health Nursing
- NUR 412 Leadership and Management in Nursing

Unrestricted Elective ..... 3 hrs

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

<sup>1</sup>Required for area if not taken as University Studies elective.

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; CHE 105 or 106 (with lab) or 111; COM 161; MAT 135 and 140; and PSY 180.

Compliance with the School of Nursing and Health Professions 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 Degree  
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
- 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**

- MAT 135 Introduction to Probability and Statistics

or

Other School approved equivalent transfer

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

**•University Studies Approved Electives**

Six 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 ..... 79-80 hrs**

- NUR 201 Nursing Assessment
- NUR 306 Introduction to Research in Nursing
- NUR 314 Professional Nursing Practice
- NUR 403 Community Health 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 205 Pharmacology in Nursing  
 NUR 206 Nursing Practice Fundamentals  
 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 400 Applied Pharmacology  
 NUR 402 Psychiatric Nursing  
 NUR 408 Nursing Care of Adults III

Unrestricted Elective ..... 0-3 hrs

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

**Graduate Programs**

Graduate Coordinator - Dina Byers

**Master of Science in Nursing Degree**

*Note: Students will be admitted to this program on a year-to-year basis.*

The purpose of the Master of Science in Nursing (MSN) degree at Murray State University is to prepare advanced practice nurses within a rural setting to the end that wellness in society may be enhanced by 1) providing advanced nursing care; 2) advancing and expanding nursing knowledge and skill through systematic investigation and experimentation; 3) assuming a nursing leadership role within the health care delivery system; and 4) acquiring a foundation for doctoral study.

**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 and Health Professions. This application must be turned in to the departmental office by the deadline set by the department. Requirements for unconditional and conditional admission are as follows; additional requirements are listed under each concentration.

**Unconditional**

For unconditional admission, an applicant must have:

- baccalaureate degree in nursing from an NLNAC/CCNE-accredited institution;
- Kentucky licensure and/or licensure to practice as a registered nurse in the state of anticipated preceptorship.
- 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 Nursing Graduate Coordinator;
- undergraduate cumulative grade point average of 3.0 on 4.0 scale, post-master's certificate applicants grade point average of 3.5 on a 4.0 scale;
- a Graduate Records Exam (GRE) score;
- for international applicants, RN licensure in Kentucky and/or licensure to practice as a registered nurse in the state of anticipated preceptorship, a TOEFL score of 86 combined;
- three favorable recommendations (submitted on a School of Nursing and Health Professions form);
- a successful interview by the selection committee;
- current CPR certification; current ACLS and PALS certification for NA concentration only;
- one year full-time RN experience (or 2000 clock hours) prior to interview for all concentrations with the NA concentration requiring the experience to be in intensive care;
- following the application deadline, the Graduate and Selection Committees will review all completed application packages and offer interviews to the most qualified applicants.

**Conditional**

Applicants who do not meet all of the requirements for unconditional admission will be considered on an individual basis.

Detailed information about these and other policies, such as academic honesty and confidentiality, is available from the School of Nursing and Health Professions and in the MSU Student Handbook. The commission on Collegiate Nursing Education is a resource for information about this program and may be obtained from the CCNE at CCNE, NW Suite 530, Washington, DC 20036 or call 202-887-6791.

For further information write: School of Nursing and Health Professions, Murray State University, 120 Mason Hall, Murray, KY 42071.

**Note:** L=literature; R=research; PT=professional training. See page 70.

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## Master of Science in Nursing/Academic Nurse Educator Concentration

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CIP 51.3801

ACCREDITED BY:

Commission on Collegiate Nursing Education (CCNE)

**Total Course Requirements** ..... 31 hours

**Advanced Nursing Core Courses** ..... 12 hrs

NUR 603 Theory and Concept Analysis in Nursing  
 NUR 605 Issues in Rural Health Care  
 NUR 630 Research in Nursing<sup>R</sup>  
 NUR 631 Evidence-Based Clinical Practice<sup>L</sup>

**Clinical Core Courses** ..... 10 hrs

NUR 641 Advanced Nursing Assessment  
 NUR 642 Advanced Pharmacology  
 NUR 673 Pathophysiology in Advanced Nursing Practice

**Clinical Specialty**..... 13 hrs

NUR 610 Theoretical Foundations of Nurse Education  
 NUR 612 Nurse Educator Practicum I  
 NUR 613 Nurse Educator Practicum II<sup>PT</sup>

**Elective**..... 2 hrs

### Other Degree Requirements

This concentration can be completed either full-time or part-time. If full-time, one year RN experience prior to admission is required.

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## Master of Science in Nursing/Nurse Anesthetist Concentration

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CIP 51.3801

ACCREDITED BY:

Commission on Collegiate Nursing Education (CCNE)

**Total Course Requirements** ..... 64 hours

**Advanced Nursing Core Courses** ..... 19 hrs

NUR 603 Theory and Concept Analysis in Nursing  
 NUR 605 Issues in Rural Health Care  
 NUR 630 Research in Nursing<sup>R</sup>  
 NUR 631 Evidence-Based Clinical Practice<sup>L</sup>  
 NUR 641 Advanced Nursing Assessment  
 NUR 673 Pathophysiology in Advanced Nursing Practice

**Clinical Specialty**..... 27 hrs

NUR 606 Scientific Foundations in Anesthesia I  
 NUR 607 Scientific Foundations in Anesthesia II  
 NUR 608 Scientific Foundations in Anesthesia III  
 NUR 609 Scientific Foundations in Anesthesia IV  
 NUR 632 Principles of Anesthesia Practice I  
 NUR 633 Principles of Anesthesia Practice II  
 NUR 634 Principles of Anesthesia Practice III  
 NUR 635 Principles of Anesthesia Practice IV  
 NUR 636 Pharmacology for Nurse Anesthesia I  
 NUR 637 Pharmacology for Nurse Anesthesia II  
 NUR 638 Pharmacology for Nurse Anesthesia III

**Clinical Practicum** ..... 9 hrs

NUR 651 Clinical Practicum I<sup>PT</sup>  
 NUR 652 Clinical Practicum II<sup>PT</sup>  
 NUR 653 Clinical Practicum III<sup>PT</sup>

**Other Required Courses..... 9 hrs**

NUR 655 Seminar in Nurse Anesthesia I  
 NUR 656 Seminar in Nurse Anesthesia II  
 NUR 660 Special Topics

Substitutions for required courses can be made only with the approval of the departmental graduate coordinator and/or chair.

**Other Degree Requirements**

This is a full-time concentration.

**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 and Health Professions. This application must be turned in to the departmental office by the deadline set by the department. 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;
- baccalaureate degree in nursing from an NLNAC/CCNE-accredited institution;
- 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;
- 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.
- one year experience as a full-time registered nurse prior to interview for family nurse practitioner applicants and one year critical care experience prior to interview for nurse anesthesia applicants;
- minimum scores of 153 verbal and 144 quantitative on the Graduate Records Exam (GRE);
- three professional recommendations submitted on a School of Nursing and Health Professions Recommendation forms;
- unencumbered licensure as a registered nurse (students will also be required to be licensed as a registered nurse 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;
- 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 and Health Professions.

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.

**Doctor of Nursing Practice/Clinical Nurse Specialist Specialization****CIP 51.3818****ACCREDITED BY:**

Commission on Collegiate Nursing Education (CCNE)

**Note:** Students will be admitted to this program on a year-to-year basis.

**Total Course Requirements..... 79 hours****Core Courses ..... 43 hrs**

NUR 603 Theory and Concept Analysis in Nursing  
 NUR 630 Research in Nursing<sup>R</sup>  
 NUR 631 Evidence-Based Clinical Practice<sup>L</sup>  
 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 904 Informatics and Patient Care Technology
- NUR 905 Health Care Policy
- NUR 906 Leadership/Management of Systems
- NUR 907 Quality Improvement and Patient Safety
- NUR 908 DNP Seminar
- NUR 909 Capstone<sup>R</sup>

**Clinical Courses ..... 10 hrs**

- NUR 641 Advanced Nursing Assessment
- NUR 910 Advanced Practice Clinical Residency<sup>PT</sup>

**Specialty Courses..... 23 hrs**

- NUR 920 Exacerbation of Chronic Health Problems
- NUR 921 Advanced Practice in Acute Care Settings
- NUR 922 Advanced Practice in Critical Care
- NUR 923 Advanced Acute Care for Pediatrics
- NUR 924 CNS Clinical Procedures and Diagnostics
- NUR 925 Advanced Practice in Emergency Care
- NUR 926 Acute Care Intensivist Practicum<sup>PT</sup>

**Additional Course..... 3 hrs**

- MAT 660 Biostatistics

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**Doctor of Nursing Practice/Family Nurse Practitioner Specialization**

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**CIP 51.3818**

ACCREDITED BY:

Commission on Collegiate Nursing Education (CCNE)

**Total Course Requirements..... 79 hours**

**Core Courses ..... 43 hrs**

- NUR 603 Theory and Concept Analysis in Nursing
- NUR 630 Research in Nursing<sup>R</sup>
- NUR 631 Evidence-Based Clinical Practice<sup>L</sup>
- 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 904 Informatics and Patient Care Technology
- NUR 905 Health Care Policy
- NUR 906 Leadership/Management of Systems
- NUR 907 Quality Improvement and Patient Safety
- NUR 908 DNP Seminar
- NUR 909 Capstone<sup>R</sup>

**Clinical Courses ..... 10 hrs**

- NUR 641 Advanced Nursing Assessment
- NUR 910 Advanced Practice Clinical Residency<sup>PT</sup>

**Specialty Courses..... 23 hrs**

- NUR 930 Foundations of Family Nursing
- 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 935 FNP Clinical Procedures and Diagnostics  
 NUR 936 Advanced Primary Care Practicum<sup>PT</sup>

**Additional Course..... 3 hrs**  
 MAT 660 Biostatistics

**Doctor of Nursing Practice/Nurse Anesthesia Specialization**

**CIP 51.3818**

ACCREDITED BY:  
 Council on Accreditation of Nurse Anesthesia Education Programs

**Total Course Requirements..... 79 hours**

**Core Courses ..... 43 hrs**

- NUR 603 Theory and Concept Analysis in Nursing
- NUR 630 Research in Nursing<sup>R</sup>
- NUR 631 Evidence-Based Clinical Practice<sup>L</sup>
- 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 904 Informatics and Patient Care Technology
- NUR 905 Health Care Policy
- NUR 906 Leadership/Management of Systems
- NUR 907 Quality Improvement and Patient Safety
- NUR 908 DNP Seminar
- NUR 909 Capstone<sup>R</sup>

**Clinical Courses ..... 10 hrs**

- NUR 641 Advanced Nursing Assessment
- NUR 910 Advanced Practice Clinical Residency<sup>PT</sup>

**Specialty Courses..... 23 hrs**

- NUR 940 Introduction to Principles and Practice of Nurse Anesthesia
- NUR 941 Basic Principles and Practice of Nurse Anesthesia
- NUR 942 Clinical Physiology and Anesthetic Applications I
- NUR 943 Advanced Principles and Practice of Nurse Anesthesia for Special Populations
- NUR 944 Advanced Pharmacology Nurse Anesthesia
- NUR 945 Clinical Physiology and Anesthetic Applications II
- NUR 946 Clinical Physiology and Anesthetic Applications II<sup>PT</sup>

**Additional Course..... 3 hrs**  
 MAT 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 NLNAC/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;
- 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 and Health Professions Recommendation forms;
- 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;
- 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 and Health Professions.

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 ..... 32-38 hours

#### Core Courses ..... 26 hrs

NUR 631	Evidence-Based Clinical Practice <sup>L</sup>
NUR 900	Philosophy of Science
NUR 902	Ethics in Nursing
NUR 903	Principles of Epidemiology
NUR 904	Informatics and Patient Care Technology
NUR 905	Health Care Policy
NUR 906	Leadership/Management of Systems
NUR 907	Quality Improvement and Patient Safety
NUR 909	Capstone <sup>R</sup>

#### Clinical Courses ..... 3-9 hrs

NUR 911	Clinical Residency I, II, III <sup>PT</sup>
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#### Additional Course ..... 3 hrs

MAT 660	Biostatistics
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