

Master of Science in Nursing

Mount Mercy University's Master of Science in Nursing (MSN) program recognizes the heritage of the Sisters of Mercy in meeting the needs of others. The MSN program is dedicated to preparing graduates to lead the nursing profession while meeting the challenges of an ever-changing, complex healthcare system.

MSN students embrace the culture of the nursing profession while engaging in experiences that promote personal and professional development. MSN students engage in analysis and synthesis of research, policy, systems and practice using critical inquiry allowing them to implement appropriate evidence based nursing interventions. Whether employed in the community or an acute care setting, nurses will acquire the knowledge and skills related to health promotion, disease prevention, population based nursing practice, education, management and leadership to lead, teach, advocate and practice at an advanced level with individuals, families and communities.

The MSN program has five areas of emphasis:

1. Health Advocacy
2. Nursing Education
3. Nursing Administration
4. Forensic Nursing
5. Nursing Informatics

Students in the MSN program to take one class at a time and have the option to develop additional knowledge and skills in specific areas of interest. A full-time student may complete the MSN program in approximately 18 -24 months. This non-thesis program includes a professional practicum experience with a clinical project integrating track competencies.

Requirements

Nursing Education Emphasis

NU 500	Research I: Theory & Critique	3
NU 501	Health Care Systems: Leadership and Organizations	3
NU 503	Health Promotion/Disease Prevention	3
NU 504	Professional Role and Skill Development	3
NU 511	Advanced Integrated Physical Assessment, Pathophysiology, & Pharmacology	3
NU 621	Nurse Educator: Roles and Responsibilities	3
NU 622	Nurse Educator: Curriculum & Instructional Design	3
NU 623	Nurse Educator: Teaching/Learning Strategies	3
NU 624	Nurse Educator: Assessment and Evaluation	3
NU 625	Nurse Educator: Clinical Specialty I	3
NU 626	Nurse Educator: Clinical Specialty II	3
NU 660	Professional Practicum	3
Total Hours		36

Health Advocacy Emphasis

NU 500	Research I: Theory & Critique	3
NU 501	Health Care Systems: Leadership and Organizations	3

NU 503	Health Promotion/Disease Prevention	3
NU 504	Professional Role and Skill Development	3
NU 511	Advanced Integrated Physical Assessment, Pathophysiology, & Pharmacology	3
NU 631	Health Advocate: Vulnerable Populations	3
NU 632	Health Advocate: Assessment, Policy Development & Assurance	3
NU 633	Health Advocate: Community Program Planning and Design	3
NU 634	Health Advocate: Leadership and Management	3
NU 660	Professional Practicum	3
Choose 2 from this list:		6
NU 512	Epidemiology	
NU 513	Environmental Health	
NU 514	Global/International Health	
NU 515	In Their Footsteps: Examining the History of Nursing	
NU 611/BN 620	Principles of Project Management	
NU 612/LS 640	Systems Theory & Organizational Analysis	
NU 643/BN 630	Nurse Administrator: Methods of Quality Management	
NU 644/BN 500	Nurse Administrator: Organizational Effectiveness	
NU 651	Technology in Health Care Systems	

Total Hours 36

Nursing Administration Emphasis

NU 500	Research I: Theory & Critique	3
NU 501	Health Care Systems: Leadership and Organizations	3
NU 503	Health Promotion/Disease Prevention	3
NU 504	Professional Role and Skill Development	3
NU 511	Advanced Integrated Physical Assessment, Pathophysiology, & Pharmacology	3
NU 641	Nurse Administrator: Leadership & Management in Nursing and Health Care	3
NU 642	Nurse Administrator: Financial & Human Resource Management in Nursing and Health Care	3
NU 643/BN 630	Nurse Administrator: Methods of Quality Management	3
NU 644/BN 500	Nurse Administrator: Organizational Effectiveness	3
NU 660	Professional Practicum	3
Choose 2 from this list:		6
NU 512	Epidemiology	
NU 513	Environmental Health	
NU 514	Global/International Health	
NU 515	In Their Footsteps: Examining the History of Nursing	
NU 611/BN 620	Principles of Project Management	

NU 612/ LS 640	Systems Theory & Organizational Analysis	
NU 651	Technology in Health Care Systems	
Total Hours		36

Forensic Nursing Emphasis

NU 500	Research I: Theory & Critique	3
NU 501	Health Care Systems: Leadership and Organizations	3
NU 503	Health Promotion/Disease Prevention	3
NU 504	Professional Role and Skill Development	3
NU 511	Advanced Integrated Physical Assessment, Pathophysiology, & Pharmacology	3
NU 660	Professional Practicum	3
NU 671	Forensic Nursing: Leadership and Role Responsibilities	3
NU 672/CJ 515	Forensic Nursing: Theories of Crime and Justice	3
NU 673/CJ 645	Forensic Nursing: Special Topics (Trial Evidence)	3
NU 674/CJ 510	Forensic Nursing: Administrative Justice	3
Select two from this list:		6
NU 512	Epidemiology	
NU 513	Environmental Health	
NU 514	Global/International Health	
NU 515	In Their Footsteps: Examining the History of Nursing	
NU 651	Technology in Health Care Systems	
NU 611/ BN 620	Principles of Project Management	
NU 612/ LS 640	Systems Theory & Organizational Analysis	
NU 643/ BN 630	Nurse Administrator: Methods of Quality Management	
NU 644/ BN 500	Nurse Administrator: Organizational Effectiveness	
NU 673/ CJ 645	Forensic Nursing: Special Topics (Violence)	
NU 675/ CJ 635	Victimology	
NU 676/ CJ 610	The Impact of Social Inequities & Human Rights	
Total Hours		36

Nursing Informatics Emphasis

NU 500	Research I: Theory & Critique	3
NU 501	Health Care Systems: Leadership and Organizations	3
NU 503	Health Promotion/Disease Prevention	3
NU 504	Professional Role and Skill Development	3
NU 511	Advanced Integrated Physical Assessment, Pathophysiology, & Pharmacology	3
NU 652	Nursing Informatics: Outreach Seminar I	1
NU 653	Nursing Informatics: Outreach Seminar II	1
NU 660	Professional Practicum	3
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NURS 5115: Interdisciplinary Healthcare Informatics		
NURS 7105: Knowledge Representation & Interoperability		
HINF 5510: Applied Health Care Databases: Database Principles and Data Evaluation		
NURS 7108: Population Health Informatics		
NURS 5116: Consumer Health Informatics		
NURS 6105: System Analysis and Design		
NURS 7113: Clinical Decision Support		
Total Hours		36

Post-Master Emphasis

The Mount Mercy University post-master emphasis assists post-graduate nurses seeking to enhance their expertise and gain competency in an area of nursing not previously studied. The post-master emphasis programs also strengthen the capability of master or doctoral prepared nurses who are planning on, or are already involved in, a role expansion or change. Graduate students currently enrolled in the Mount Mercy University MSN program who seek to expand their areas of expertise beyond their first emphasis may also obtain an additional emphasis.

Post-graduate nursing emphasis are available in:

- Health Advocacy
- Nursing Education
- Nursing Administration
- Forensic Nursing
- Nursing Informatics

Admission Requirements For MMU Post-Graduate Emphasis

- Master or doctoral (PhD or DNP) degree in nursing from a program accredited by the Collegiate Commission on Nursing Education (CCNE) or National League for Nursing Accrediting Commission (NLNAC)
- Complete online application (includes the following)
 1. Resume with evidence of relevant professional experience
 2. Personal statement
 3. Current RN license (not restricted in Iowa, nationally, or internationally)
 4. Official transcripts from all schools previously attended (transcript must include documentation of coursework in statistics)
 5. Two recommendations from professional supervisors, instructors, peers, or colleagues qualified to assess candidate's strengths
- Criminal background check (prior to the initiation of the professional practicum experience)
- Additional admission requirements related to international students are listed below

*Do not need to be repeated for current MMU MSN students or within one year of graduation from MMU.

Awarding of Emphasis

Students must complete all courses required for the emphasis they are seeking with a B- or above. Post-graduate emphasis programs may be completed in less than 7 months, but must be completed within 6 years. Time to completion may vary by student, depending on individual progress and credits transferred.

Transfer of Graduate Courses

Students may transfer in a maximum of 3 graduate credit hours with the approval of the Program Director and MSN Committee. Credit allowance for graduate courses is considered on an individual basis, however, students must have earned a "B" or higher for the course to be considered.

Course description, syllabi, college catalog, and /or a sample of previous course work may be requested for consideration of a class. While enrolled in the post-graduate emphasis program at Mount Mercy, students should not enroll for academic credit at other institutions without the permission of the Associate Provost. Approval, via a petition, must be granted prior to a course being taken at another institution and will only be granted for extenuating circumstances.

Post-Master's Emphasis in Nursing Education

NU 621	Nurse Educator: Roles and Responsibilities	3
NU 622	Nurse Educator: Curriculum & Instructional Design	3
NU 623	Nurse Educator: Teaching/Learning Strategies	3
NU 624	Nurse Educator: Assessment and Evaluation	3
NU 625	Nurse Educator: Clinical Specialty I	3
NU 626	Nurse Educator: Clinical Specialty II	3
NU 511	Advanced Integrated Physical Assessment, Pathophysiology, & Pharmacology ¹	3
NU 660	Professional Practicum	3
Total Hours		24

Post Master's Emphasis in Health Advocacy

NU 503	Health Promotion/Disease Prevention	3
NU 512	Epidemiology ²	3
NU 631	Health Advocate: Vulnerable Populations	3
NU 632	Health Advocate: Assessment, Policy Development & Assurance	3
NU 633	Health Advocate: Community Program Planning and Design	3
NU 634	Health Advocate: Leadership and Management	3
NU 660	Professional Practicum	3
Total Hours		21

Post-Master's Emphasis in Nursing Administration

NU 641	Nurse Administrator: Leadership & Management in Nursing and Health Care	3
NU 642	Nurse Administrator: Financial & Human Resource Management in Nursing and Health Care	3
NU 643	Nurse Administrator: Methods of Quality Management	3
NU 644	Nurse Administrator: Organizational Effectiveness	3
NU 660	Professional Practicum	3
Total Hours		15

Post-Master's Emphasis in Forensic Nursing

NU 671	Forensic Nursing: Leadership and Role Responsibilities	3
NU 672	Forensic Nursing: Theories of Crime and Justice	3
NU 673	Forensic Nursing: Special Topics	3
NU 674	Forensic Nursing: Administrative Justice	3

NU 511	Advanced Integrated Physical Assessment, Pathophysiology, & Pharmacology ¹	3
NU 660	Professional Practicum	3
Total Hours		18

Post-Master's Emphasis in Nursing Informatics

NU 652	Nursing Informatics: Outreach Seminar I	1
NU 653	Nursing Informatics: Outreach Seminar II	1
NU 511	Advanced Integrated Physical Assessment, Pathophysiology, & Pharmacology ¹	3
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NU 660	Professional Practicum	3
Total Hours		24

¹ Required only if the student has no previous graduate level course work in physical assessment, pathophysiology and pharmacology.
² NU 512 - Epidemiology is highly recommended but not required.

Courses

NU 500 Research I: Theory & Critique: 3 semester hours

This course will examine the theoretical and scientific foundations of nursing. A thorough understanding of these foundations will be the basis for further development of knowledge in evidence-based practice and research. The processes for evaluation, translating and utilizing research will be emphasized.

NU 501 Health Care Systems: Leadership and Organizations: 3 semester hours

In preparation for nursing leadership in rapidly changing, complex health care delivery systems, students will examine concepts that define organizations, influence policy, measure effectiveness of care and evaluate technology. A comparison of health care systems throughout the world will consider financial, technological and global issues.

NU 503 Health Promotion/Disease Prevention: 3 semester hours

This course establishes the foundation for the unique focus on Health Promotion and Disease Prevention in the master's degree curriculum. Students will focus on the concepts of health promotion and disease prevention that minimize the need for restoration of health. Through an understanding of clinical prevention and population health, students will examine the issues and interventions that promote health in individuals, families and communities.

NU 504 Professional Role and Skill Development: 3 semester hours

This course will examine the development of the professional role of the master's degree prepared nurse in a variety of practice settings focusing on ethical, evidence-based decision making; population health improvement; quality improvement and safety management; expert clinical practice; and intra-and inter-professional teamwork. Knowledge and skill development will include health assessment, ethical decision-making, evidence-based decision-making, population health management, quality and safety improvement, and teamwork.

NU 505 Biostatistics for Health Care: 3 semester hours

This graduate level course will explore and apply the use of statistical methodology in designing, analyzing, interpreting, and presenting biological experiments, observations, and data. The course will cover descriptive statistics, elements of experimental design, probability, hypothesis testing and statistical inference, analysis of variance, correlation, regression techniques, factor analysis, and non-parametric statistical methods. Students will use data from laboratory and field studies. Prerequisite: Undergraduate course in statistics with final grade of C or higher.

NU 511 Advanced Integrated Physical Assessment, Pathophysiology, & Pharmacology: 3 semester hours

This course uses a systematic in-depth process to review physical assessment, pathophysiology, and pharmacology of human body systems. Students will explore and integrate knowledge of evidence based, collaborative prevention and condition management therapies to ensure safe, effective, quality patient-centered care. Students will develop and utilize best-evidence assessment and condition management information for teaching/learning practices used to care for and educate others.

NU 512 Epidemiology: 3 semester hours

This course will introduce the student to the basic concepts of epidemiology including the historical development of the study of disease in populations. The course will include the concepts and processes of epidemiology with attention to the biostatistics essential to the study and analysis of disease occurrences. Integration of the evidence-base of epidemiology will be essential to the learning experience.

NU 513 Environmental Health: 3 semester hours

This course will offer students the opportunity to study the influence of environmental forces on the health of individuals, populations and communities. Students will explore the impact of governmental controlling agencies, community services and individual responses to the environment on a local, national and international level. Specific environmental factors will be examined for their impact on specific diseases and conditions. The research evidence-base for studying the environment will be emphasized.

NU 514 Global/International Health: 3 semester hours

This course will examine the concepts and context of global/international health. An exploration of the historical development of international health will be included as will opportunities for students to study the problems that exist and the forces that influence healthcare in the international community. The collaboration of governmental and non-governmental organizations and populations will be studied as students examine specific health problems, systems and solutions.

NU 515 In Their Footsteps: Examining the History of Nursing: 3 semester hours

In this course students will examine the origins of nursing as a profession, will explore the early development of nursing education and critically analyze the development of the current image of nursing. Students will study the lives and influences of past and present leaders in the nursing profession as they define their own paths as "history makers" in nursing.

NU 611 Principles of Project Management: 3 semester hours

Effective management of a project is a skill many (if not all) MSN students will need to have at some time during their professional career. The goal of this course is to give students the effective tools and knowledge to accomplish this successfully. Students will learn how projects get started, how to successfully manage a project and its resources, and how organizations select the "right" project to work on. Cross-listed with BN 620.

NU 612 Systems Theory & Organizational Analysis: 3 semester hours

This course provides an introduction to social systems theory, organization analysis, and their application to organizational leadership. Prerequisite or Corequisite: LS 615 Cross-listed with LS 640.

NU 621 Nurse Educator: Roles and Responsibilities: 3 semester hours

This course assists the student to develop and use the skills and knowledge of the nurse educator. Focus will be on role development with attention to self-development and role responsibilities to oneself, the students, the institution, and the profession. The role of regulatory bodies and accreditation will be examined.

NU 622 Nurse Educator: Curriculum & Instructional Design: 3 semester hours

A variety of learning theories and conceptual frameworks relating to curriculum and instructional design will be explored. Students will investigate the process of curriculum development, program evaluation, regulatory and accreditation standards, and trends at the professional and community level.

NU 623 Nurse Educator: Teaching/Learning Strategies: 3 semester hours

This course assists student to develop strategies for teaching nursing in the classroom and clinical settings. In addition to learning to assess students' learning styles, content will include classroom assessment, planning, organizing, presenting and evaluating teaching/learning experiences. The focus is on best practices and evidence-based strategies to promote various learning styles and create an active learning environment for diverse student populations. Strategies will address basic and continuing nursing education.

NU 624 Nurse Educator: Assessment and Evaluation: 3 semester hours

Recognizing that assessment and evaluation are essential to understanding the value and worth of teaching/learning in nursing education, faculty must be familiar with the foundations of evaluation. Evaluation of nursing education programs, courses and individual learner requires knowledge of the focus, design, tools and dissemination of outcome data. This course will examine the effectiveness of evaluation methods. Attention will be given to the systematic evaluation processes that lead to on-going program improvement.

NU 625 Nurse Educator: Clinical Specialty I: 3 semester hours

This course provides additional clinical specialty experiences for nurse educator students. Students in consultation with faculty will determine an area of clinical specialty practice (e.g.; pediatrics, mental health, public health) to complete a minimum of 100 hours of clinical experience. In the clinical setting, students will work collaboratively with the practicing nurse expert to gain knowledge and skills for nursing practice at the expert level. Prerequisite: NU 500, NU 501, NU 503, NU 504.

NU 626 Nurse Educator: Clinical Specialty II: 3 semester hours

This course provides additional clinical specialty experiences for nurse educator students after completion of Nurse Educator: Clinical Specialty I course. Students in consultation with faculty will determine an area of clinical specialty practice (e.g.; pediatrics, mental health, public health) to complete a minimum of 100 hours of clinical experience. In the clinical setting, students will work collaboratively with the practicing nurse expert to gain knowledge and skills for nursing practice at the expert level. Prerequisite: NU 500, NU 501, NU 503, NU 504.

NU 631 Health Advocate: Vulnerable Populations: 3 semester hours

This course will focus on developing competence in working with multicultural population in society. The overview of culturally diverse communities will give the student the foundation needed to develop health promotion program for specific populations. The influence of social, economic and political inequalities related to healthcare will be examined. An emphasis on community-based, participatory research methods will be included in this course.

NU 632 Health Advocate: Assessment, Policy Development & Assurance: 3 semester hours

The core functions of public health will be the focus of this course as students develop competencies in assessment, policy development and assurance. Student will further examine inter-professional collaborations, regulations and program assessment and effectiveness.

NU 633 Health Advocate: Community Program Planning and Design: 3 semester hours

The focus of this course is to explore the foundation of different frameworks for public health programs and designs. The four major functions of public health programming will address assessment, development, implementation and evaluation. Students will learn strategies for promoting social change through various methods including marketing techniques and health literacy. Students will develop plans for navigating the healthcare system for themselves as professionals and for clients, families and groups.

NU 634 Health Advocate: Leadership and Management: 3 semester hours

In this course students will examine current and emerging leadership and management issues in the role of an advocate for health care, and study strategies to communicate and collaborate with stakeholders in the health care arena. Recognizing that health care is a multifaceted, constantly-changing system, students will explore the role of the health advocacy leader in managing the development, implementation and evaluation of programs that assist populations and clients to promote health and prevent disease.

NU 641 Nurse Administrator: Leadership & Management in Nursing and Health Care: 3 semester hours

This course assists the student to develop and use the skills and knowledge of the nurse to lead and manage the care of patient populations. Focus is on role development necessary to meet responsibilities to patients, nursing staff and other healthcare personnel, the organization, and the profession. The transformation of data into information and evidence-based decision-making to develop and change processes to achieve quality patient care outcomes, organizational goals, and regulatory and accreditation standards will be stressed.

NU 642 Nurse Administrator: Financial & Human Resource Management in Nursing and Health Care: 3 semester hours

Managing people efficiently, effectively, and ethically is essential to the achievement of population-focused and patient centered, quality, safe, effective and efficient care regardless of the health care organization's size or purpose. Management of non-personnel resources (supplies, equipment, and infrastructure) is also essential to achieving quality and other organizational goals. The emphasis of this course includes: management of human and financial resources, intra- and interdisciplinary collaboration, teamwork, change management, development of employee capabilities, and financial concepts and tools necessary to make effective decisions and achieve organizational goals.

NU 643 Nurse Administrator: Methods of Quality Management: 3 semester hours

This course will provide the historical context of quality management and introduce the student to a number of quality management systems including Total Quality Management (TQM), ISO, the National Baldrige Award, Lean and Six Sigma that are currently being implemented in today's organizations. The course will host several guest lecturers from the community who are specialists in quality management. Cross-listed with BN 630.

NU 644 Nurse Administrator: Organizational Effectiveness: 3 semester hours

This course introduces students to the basic principles of human behavior and how these principles apply to the management of individuals and groups in organizations. Topics include: individual differences in abilities and attitudes, attribution motivation, group dynamics, power and politics, leadership, conflict resolution, organizational culture, and organizational structure and design. Cross listed with BN 500.

NU 651 Technology in Health Care Systems: 3 semester hours

In preparation for healthcare leadership in rapidly changing, complex health care delivery systems, students will examine patient-care technologies, clinical informatics models, electronic-based patient records, health information technology (HIT), health information exchange (HIE) clinical decision support systems, and evaluation of other technology that influences healthcare delivery models, practices, and patient outcomes. Students will identify how data sets and information systems are utilized for research, to predict health care risks, support quality improvement methods, and develop evidence for improved health care and outcomes.

NU 652 Nursing Informatics: Outreach Seminar I: 1 semester hour

This course connects various aspects of health informatics to the larger health care system. Seminar allows students to learn about and interaction with individuals in various informatics roles. Topics covered include interdisciplinary health informatics, health systems design & analysis, database design, knowledge representation, and clinical decision support systems.

NU 653 Nursing Informatics: Outreach Seminar II: 1 semester hour

This course connects various aspects of health informatics to the larger health care system. Seminar allows students to learn about and interaction with individuals in various informatics roles. Topics covered include population health informatics, consumer health informatics, and interdisciplinary health informatics.

NU 660 Professional Practicum: 3 semester hours

In collaboration with faculty, students will develop a practicum experience related to their chosen track. Completion of an individual project, relevant to the practice setting and role will be completed. Prerequisites: NU 500, NU 501, NU 503, NU 504. Cannot enroll if any courses have incomplete or unsatisfactory grades.

NU 671 Forensic Nursing: Leadership and Role Responsibilities: 3 semester hours

A forensic nurse provides specialized care for patients who are victims and/or perpetrators of trauma (both intentional and unintentional). However, the specialized role of forensic nurses goes far beyond medical care; forensic nurses also have a specialized knowledge of the legal system and skills in injury identification, evaluation and documentation. In addition to providing immediate medical needs, a forensic nurse often collects evidence, provides medical testimony in court, and consults with legal authorities. This course provides nurses with knowledge, skills, and resources in forensic nursing. Focus will be on leadership development with attention to self-development and role responsibilities in the justice, legal, and health care systems. This class will also include the role of regulatory bodies that influence forensic nursing. Prerequisites: NU500, NU501, NU503, NU504.

NU 672 Forensic Nursing: Theories of Crime and Justice: 3 semester hours

This course will intensively examine major criminological theories from sociological, psychological, and biological historical and modern perspectives. This course will also include an intensive examination of current policy and practice implications of these theoretical perspectives. It also includes an advanced analysis of models of crime and justice.

NU 673 Forensic Nursing: Special Topics: 3 semester hours

This course would consist of special topics within the issues of crime and justice. Topics may include: critical race theory, correctional education, criminal investigation, private security, emergency management, or other advanced studies in crime and justice. Students may complete more than one topics course for elective credit.

NU 674 Forensic Nursing: Administrative Justice: 3 semester hours

This course will examine the criminal justice system and contemporary issues confronting the system. The course will focus on the decision making process involved in the pursuit of crime prevention, crime control, and justice, including models of criminal justice and evidence based policy. In addition, the effectiveness of the system in accomplishing prevention, control, and justice will be examined along with the role of drug and guns in crime.

NU 675 Victimology: 3 semester hours

This course will primarily focus on criminal victimization, of the person, the neighbor, the greater community, and related issues. Students will examine the current state of Victimology and victims-related issues. Additionally, students will explore the history of the victims' rights movement how the victims' rights movement is shaped by, and also shapes social movements. Prerequisite: CJ 510.

NU 676 The Impact of Social Inequities & Human Rights: 3 semester hours

This course will primarily focus on Social Inequities & Human Rights Issues and their effect upon the person, the neighborhood, the greater community, and related issues. Students will examine the impact social inequities have on social justice, and community betterment issues that feed the criminal justice system. Additionally, students will explore the history and current status of the loss of human rights experienced by those formerly incarcerated and the subsequent effect on society. Students will explore how public policy has ignored social inequities and subsequently (by proxy) allowed policies to be shaped, and how this impacts social movements. Prerequisite: CJ 510.

NU 699 Independent Study: 3 semester hours

If a student wishes to independently study or research a particular topic, he/she may propose to work with an appropriate faculty member within their discipline. No more than 2 courses may be taken as independent study by any student.

NU 701 Clinical Practice to Classroom: 3 semester hours

This course establishes DNP program expectations related to written and oral communication, technical skills, and classroom management that will be used throughout DNP program. Students will examine the role of an advanced practice nurse clinician in the academic setting. Students will gain an understanding of the organizational structure of academia, teaching/learning strategies, assessment /evaluation strategies, and advisor/mentor role. Prerequisite: MSN Degree.

NU 702 Research II: Quality Improvement & Implementation: 3 semester hours

This course builds on previously studied research methods and explores advanced research designs. Statistical procedures appropriate for the study designs will be applied. Methodological designs examining measurement, measurement error and instrumentation related to developing, adapting, and selecting instruments will be explored. Evidence based practice, change management, and systems thinking will be integrated with concepts of process improvement and quality improvement while designing an evidence based advanced clinical practice project. Prerequisite: MSN less than 5 years ago or NU 500, NU 505, and NU 701.

NU 703 LEADER: Legal, Ethical, Administrative Duties, Entrepreneurial, & Resources: 3 semester hours

This course explores the legal and ethical aspects of advanced practice nursing, the state and federal rules and regulations, nurse owned practices, interdisciplinary practices, business management, and business resources. Students will gain entrepreneurial skills and identify strategies to implement new ideas. Prerequisite: MSN degree and NU 702.

NU 704 Advanced Pathophysiology: 3 semester hours

This course integrates basic and advanced pathophysiology of all body systems including at the genetic, cellular, and organ system levels. Students will focus on acute, chronic, and complex illness & disease diagnosis & management across the lifespan. Prerequisite: MSN degree and NU 701.

NU 705 Advanced Pharmacology: 3 semester hours

This course will focus on the pharmacodynamics, pharmacotherapy, and pharmacogenetics for common acute, chronic, and complex conditions across the lifespan. Students will learn strategies on how to prescribe using evidence based science that is safe and ethical. Prerequisite: MSN degree, NU 701, and NU 704.

NU 800 Adult & Pediatric I - Primary Care - Populations: 3 semester hours

This course provides students with family nurse practitioner (pediatric, adolescent, adult & aging adult) primary care content including communication and interaction techniques, growth & development, acute & complex health concerns, evidence based health promotion & screening, laboratory testing, pharmacological & non-pharmacological methods, health management, and care coordination. This course also includes content related to internal medicine, women's health, mental & behavioral health, and occupational health. Prerequisites: MSN degree, NU 701, NU 505, NU 512, NU 702, NU 703, NU 651, NU 704, NU 705.

NU 801 Adult & Pediatric I - Primary Care - Assessment: 2 semester hours

This course provides students with family nurse practitioner (pediatric, adolescent, adult & aging adult) primary care content including communication with individuals during assessment of wellness, health, and illness. Course includes didactic and laboratory experiences to learn and demonstrate knowledge, skills and techniques related to assessment of growth & development, acute & complex health concerns, evidence based health promotion & screening, and laboratory testing. This assessment course also includes content related to internal medicine, women's health, mental & behavioral health, and occupational health. Prerequisite: NU 800.

NU 802 Adult & Pediatric I - Primary Care - Clinical: 2 semester hours

This course provides students with family nurse practitioner (pediatric, adolescent, adult & aging adult) primary care clinical experiences 1:1 with a licensed health care provider preceptor (ARNP, MD, or PA). Students will work collaboratively with preceptor to provide primary wellness/illness health care services. Clinical experiences will also include internal medicine, women's health, mental & behavioral health, occupational health, and telehealth. Prerequisite: NU 801.

NU 803 Adult & Pediatric II - Specialty Care - Populations: 3 semester hours

This course provides students with family nurse practitioner (pediatric, adolescent, adult & aging adult) specialty care content including hematology/oncology, cardiology, pulmonology, dermatology, renal, endocrine/diabetes, neurology, urology, orthopedic, gastroenterology, vascular/thoracic, eye, ear, nose, throat (EENT), complementary/alternative practices, and telehealth. Prerequisite: NU 802.

NU 804 Adult & Pediatric II - Specialty Care - Assessment: 2 semester hours

This course provides students with family nurse practitioner (pediatric, adolescent, adult & aging adult) specialty care content including communication with individuals during assessment and care management. Course includes didactic and laboratory experiences to learn and demonstrate knowledge, skills and techniques related to assessment in hematology/oncology, cardiology, pulmonology, dermatology, renal, endocrine/diabetes, neurology, urology, orthopedic, gastroenterology, vascular/thoracic, eye, ear, nose, throat (EENT), complementary/alternative practices, and telehealth. Prerequisite: NU 803.

NU 805 Adult & Pediatric II - Specialty Care - Clinical: 2 semester hours

This course provides students with family nurse practitioner (pediatric, adolescent, adult & aging adult) specialty care clinical experiences 1:1 with a licensed health care provider preceptor (ARNP, MD, or PA). Students will work collaboratively with preceptor to provide health care in a variety of specialty clinical areas. Prerequisite: NU 804.

NU 806 Advanced Clinical III: 2 semester hours

This course provides students with family nurse practitioner (pediatric, adolescent, adult & aging adult) specialty care clinical experiences 1:1 with a licensed health care provider preceptor (ARNP, MD, or PA). Students will work collaboratively with preceptor to provide health care in a variety of specialty clinical areas. Prerequisite: NU 805.

NU 807 Advanced Clinical IV: 2 semester hours

This course provides students with family nurse practitioner (pediatric, adolescent, adult & aging adult) specialty care clinical experiences 1:1 with a licensed health care provider preceptor (ARNP, MD, or PA). Students will work collaboratively with preceptor to provide health care in a variety of specialty clinical areas. Prerequisite: NU 806.

NU 890 Innovation & Change for Future: DNP Clinical Practice Project: 1 semester hour

This course provides students with opportunities to apply advanced practice nursing knowledge and skills to the practice setting. Practice settings will vary depending on students' interest and career goals. Each student will focus on a client population and/or element(s) of health care system while considering socio-economic, cultural, ethical, and policy to identify, develop, implement, analyze, and evaluate evidence based quality improvements or innovations. Evidence-based practices and data from clinical practice and/or epidemiological studies will guide the design and development of interventions, quality improvement and/or innovation. The ongoing progression and final outcome of this course is related to advanced nursing practice, health care system changes, and/or aggregate health improvements. Students will disseminate project findings through oral presentations, poster presentations, and/or written assignments. Students will defend their completed DNP Clinical Practice Project to their Project Committee prior to graduation. Prerequisite: NU 702.