

# NURSING (NURS)

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## **NURS 101 Pharmacology Calculations<sup>1</sup> Credit**

Introduction to concepts and techniques of dosage calculations and medication administration by a variety of routes. Application of basic math concepts to complex conversion of dosages between and among various systems of weights and volumes, and application of critical thinking skills to the calculation and administration of medications by oral and parenteral (including intravenous) routes of administration.

**Prerequisites:** Admission into the Practical Nursing certificate program.

**Corequisites:** NURS 106/NURS 106L, NURS 107/NURS 107L and NURS 112.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

## **NURS 106 Adult Concepts I<sup>3</sup> Credits**

Application of nursing concepts, skills, critical thinking, and assessment in caring for a variety of clients in various health care settings.

**Prerequisites:** Admission into the Practical Nursing certificate program.

**Corequisites:** NURS 101, NURS 106L, NURS 107/NURS 107L, and NURS 112.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

## **NURS 106L Adult Concepts I Laboratory<sup>2</sup> Credits**

Application of nursing concepts, skills, critical thinking, and assessment in caring for a variety of clients in various health care settings.

**Prerequisites:** Admission into the Practical Nursing certificate program.

**Corequisites:** NURS 101, NURS 106, NURS 107/NURS 107L, and NURS 112.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

## **NURS 107 Foundations of Nursing<sup>3</sup> Credits**

Exploration of basic nursing concepts and skills to develop critical thinking while utilizing the nursing process.

**Prerequisites:** Admission into the Practical Nursing certificate program.

**Corequisites:** NURS 101, NURS 106/NURS 106L, NURS 107L, and NURS 112.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

## **NURS 107L Foundations of Nursing Laboratory<sup>3</sup> Credits**

Application of basic nursing and IV certification skills through training, practice, and checkoffs of essential skills needed for safe practice.

**Prerequisites:** Admission into the Practical Nursing certificate program.

**Corequisites:** NURS 101, NURS 106/NURS 106L, NURS 107, and NURS 112.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

## **NURS 109 Introduction to Mental Health<sup>2</sup> Credits**

Introduction to complex concepts and behaviors of nursing roles within the cohort of the nursing process, holistic care, and mental health care. Emphasizes theoretical and practical aspects of the mental health nursing skills required to meet the needs of clients in a variety of settings.

**Prerequisites:** NURS 101, NURS 106/NURS 106L, NURS 107/NURS 107L, and NURS 112.

**Corequisites:** NURS 109L, NURS 117/NURS 117L, NURS 156, and NURS 172/NURS 172L.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

## **NURS 109L Introduction to Mental Health Laboratory<sup>1</sup> Credit**

Introduction to complex concepts and behaviors of nursing roles within the cohort of the nursing process, holistic care, and mental health care.

Emphasizes theoretical and practical aspects of the mental health

nursing skills required to meet the needs of clients in a variety of settings.

**Prerequisites:** NURS 101, NURS 106/NURS 106L, NURS 107/NURS 107L, and NURS 112.

**Corequisites:** NURS 109, NURS 117/NURS 117L, NURS 156, and NURS 172/NURS 172L.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

## **NURS 112 Basic Concepts of Pharmacology<sup>3</sup> Credits**

Introduction to basic concepts of pharmacology related to the actions, therapeutic and adverse effects, interactions of drugs, drug classifications, and the basic pharmacology of commonly used medications. Emphasis is placed on nursing considerations and client education.

**Prerequisites:** Admission into the Practical Nursing certificate program.

**Corequisites:** NURS 101, NURS 106/NURS 106L, and NURS 107/NURS 107L.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

## **NURS 117 Obstetrics and Pediatrics<sup>3</sup> Credits**

Exploration of fundamental content in the nursing care of the childbearing family, which focuses on pregnancy, physiologic and psychological changes experienced, and care of the normal newborn. Includes the individual needs of the child from infancy through adolescence, focusing on developmental stages, as well as childhood diseases and illness within each stage.

**Prerequisites:** NURS 101, NURS 106/NURS 106L, NURS 107/NURS 107L, and NURS 112.

**Corequisites:** NURS 109/NURS 109L, NURS 117L, NURS 156, and NURS 172/NURS 172L.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

## **NURS 117L Obstetrics and Pediatrics Laboratory<sup>2</sup> Credits**

Application of concepts related to pregnancy, newborns, and children from infancy to adolescence utilizing critical thinking, nursing process, and assessment in caring for this population within the various health care settings.

**Prerequisites:** NURS 101, NURS 106/NURS 106L, NURS 107/NURS 107L, and NURS 112.

**Corequisites:** NURS 109/NURS 109L, NURS 117, NURS 156, and NURS 172/NURS 172L.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

## **NURS 156 Socialization into Practical Nursing<sup>2</sup> Credits**

Examination of legal and ethical responsibilities of the practical nurse. Emphasis is given to the Colorado Nurse Practice Act, career development, and preparing for the NCLEX PN exam.

**Prerequisites:** NURS 101, NURS 106/NURS 106L, NURS 107/NURS 107L, and NURS 112.

**Corequisites:** NURS 109/NURS 109L, NURS 117/NURS 117L, and NURS 172/NURS 172L.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 172 Adult Concepts II3 Credits**

Application of clinical practicum to apply nursing theory in medical surgical nursing using the nursing process to assist clients with more complex health care needs.

**Prerequisites:** NURS 101, NURS 106/NURS 106L, NURS 107/NURS 107L, and NURS 112.

**Corequisites:** NURS 109/NURS 109L, NURS 117/NURS 117L, NURS 156, and NURS 172L.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 172L Adult Concepts II Lab3 Credits**

Application of clinical practicum to apply nursing theory in medical surgical nursing using the nursing process to assist clients with more complex health care needs.

**Prerequisites:** NURS 101, NURS 106/NURS 106L, NURS 107/NURS 107L, and NURS 112.

**Corequisites:** NURS 109/NURS 109L, NURS 117/NURS 117L, NURS 156, and NURS 172.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 200 LPN to RN Role Transition1 Credit**

Prepares the advanced placement student to enter the Nursing Program through orientation to the program, review of the nursing process and exploration of the role change from practical to professional nursing. Introduction to selected concepts related to the role of the Associate Degree nurse as a provider of care, teacher, manager, client advocate and member of the profession. Emphasis placed on critical thinking in providing and managing comprehensive care in a variety of health care settings with clients across the lifespan. Course is designed to assist the Licensed Practical Nurse with the transition into the practice of professional nursing.

**Prerequisites:** All essential learning education and program prerequisites.

**NURS 206 Advanced Concepts of Medical-Surgical Nursing I3 Credits**

Role of the registered professional nurse as care provider, teacher, manager, professional and advocate in meeting the nursing care needs of adults across the life span experiencing illness to wellness. The clinical lab provides opportunity for the student to utilize the nursing process and integrate previous learning to assist the patient and family in achieving optimal functioning in the various health care settings.

**Corequisites:** NURS 206L and NURS 288.

**NURS 206L Advanced Concepts of Medical-Surgical Nursing Laboratory2 Credits**

Lab component required for NURS 206.

**Corequisites:** NURS 206 and NURS 288.

**NURS 210 Nursing Care of Complex Obstetrical and Pediatric Clients3 Credits**

[AAS Program only] Prepares the professional nurse to comprehend and apply advanced concepts in care of the high-risk child bearing family and for children with complex health problems from birth through adolescence. Emphasizes special needs and complications during the perinatal experience and altered functioning, special needs, and disease processes manifested in children. The nursing process is used as a framework to attain optimal levels of maternal-newborn and pediatric health and wellness. Legal and ethical accountability are integrated throughout the course. Critical thinking skills are utilized throughout.

**Prerequisites:** All general education and prerequisites, NURS 288 and NURS 200.

**Corequisites:** NURS 210L

**NURS 210L Nursing Care of Complex Obstetrical and Pediatric Clients Laboratory1 Credit**

Prepares the professional nurse to comprehend and apply advanced concepts in the care of the high-risk child bearing family and for children with complex health problems from birth through adolescence. Emphasizes special needs and complications during the prenatal experience and altered functioning, special needs and disease process manifested in children. The nursing process is used as a framework to attain optimal levels of maternal-newborn and pediatric health and wellness. Legal and ethical accountability and critical thinking skills are integrated throughout the course. Theoretical content is applied in acute care and community clinical settings.

**Prerequisites:** NURS 200, NURS 206/NURS 206L, NURS 211/NURS 211L, NURS 286, and NURS 288.

**Corequisites:** NURS 210, NURS 216/NURS 216L, and NURS 289.

**NURS 211 Nursing Care of the Psychiatric Client3 Credits**

Develops concepts of psychosocial integrity and emphasizes the function and responsibility of nursing in promoting and maintaining mental health of individuals and families. This course emphasizes communication and caring through the application of the therapeutic relationship and nursing process in the care and treatment of common clinical conditions/disorders. In the clinical lab students will develop proficiency in working with psychiatric clients in various settings in the community.

**Prerequisites:** NURS 200 and NURS 288.

**Corequisites:** NURS 211L.

**NURS 211L Nursing Care of the Psychiatric Client Laboratory1 Credit**

Lab component required for NURS 211.

**Prerequisites:** NURS 200, NURS 206/NURS 206L, NURS 286, and NURS 288.

**Corequisites:** NURS 211 and NURS 217.

**NURS 216 Advanced Concepts of Medical Surgical Nursing II2 Credits**

[AAS Program only] Continues to focus on the role of the registered professional nurse as care provider, teacher, manager, professional, and advocate in meeting the complex medical and surgical health care needs of adult clients. Utilizing the nursing process, the student is expected to integrate previous learning to assist the patient and family in achieving optimal functioning in various complex health care situations and settings.

**Prerequisites:** All essential learning and prerequisites, NURS 206/NURS 206L, NURS 288, and NURS 200.

**Corequisites:** NURS 216L.

**NURS 216L Advanced Concepts of Medical Surgical Nursing II Laboratory3 Credits**

Continues to focus on the role of the registered professional nurse as care provider, teacher, manager, professional, and advocate in meeting the complex medical and surgical health care needs of adult clients. Utilizing the nursing process, the student is expected to integrate previous learning to assist the patient and family in achieving optimal functioning in various complex health care situations and settings. In addition to inpatient acute care patient units the student will rotate through the critical care areas of the health care facility.

**Prerequisites:** NURS 200, NURS 206/NURS 206L, NURS 211/NURS 211L, NURS 217, NURS 286, and NURS 288.

**Corequisites:** NURS 210/NURS 210L, NURS 216, and NURS 289.

**NURS 217 Leadership for Professional Nursing Practice 2 Credits**

[AAS Program only] Socializes the student into the graduate registered nurse role. The focus is on the exploration and analysis of contemporary nursing practice, current trends and issues impacting nursing care delivery. Advanced leadership and management concepts are discussed as part of the nursing role.

**Prerequisites:** All essential learning and prerequisites, and NURS 200.

**NURS 244 Introduction to Adult Concepts of Health 2 Credits**

Introduction of nursing concepts, skills, and assessment in caring for adult clients in various health care settings.

**Prerequisites:** Admission into the Associate of Applied Sciences in Nursing program.

**Corequisites:** NURS 244L, NURS 246, and NURS 247/NURS 247L.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 244L Introduction to Adult Concepts of Health Laboratory 2 Credits**

Introduction of nursing concepts, skills, and assessment in caring for adult clients in various health care settings.

**Prerequisites:** Admission into the Associate of Applied Sciences in Nursing program.

**Corequisites:** NURS 244, NURS 246, and NURS 247/NURS 247L.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 246 Pharmacological Concepts I 3 Credits**

Introduction to basic pharmacology concepts, which include interactions, classification, adverse effects, drug dosages and math calculations.

**Prerequisites:** Admission into the Associate of Applied Science in Nursing program.

**Corequisites:** NURS 244/NURS 244L, and NURS 247/NURS 247L.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 247 Fundamentals of Nursing 3 Credits**

Exploration of nursing concepts and skills utilized in the nursing process to develop critical thinking. Application of essential nursing skills including IV skills for safe practice.

**Prerequisites:** Admission into the Associate of Applied Science in Nursing program.

**Corequisites:** NURS 244/NURS 244L, NURS 246, and NURS 247L.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 247L Fundamentals of Nursing Laboratory 2 Credits**

Lab component required for NURS 247.

**Prerequisites:** Admission into the Associate of Applied Sciences in Nursing program.

**Corequisites:** NURS 244/NURS 244L, NURS 246, and NURS 247.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 248 Adult Concepts of Health I 3 Credits**

Exploration of the role of the registered nurse as a care provider, teacher, manager, professional, and advocate. Explores disease processes in adults.

**Prerequisites:** NURS 244/NURS 244L, NURS 246, and NURS 247/NURS 247L.

**Corequisites:** NURS 248L, NURS 249, and NURS 250/NURS 250L.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 248L Adult Concepts of Health I Laboratory 3 Credits**

Exploration of the role of the registered nurse as a care provider, teacher, manager, professional, and advocate. Explores disease processes in adults.

**Prerequisites:** NURS 244/NURS 244L, NURS 246, and NURS 247/NURS 247L.

**Corequisites:** NURS 248, NURS 249, and NURS 250/NURS 250L.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 249 Pharmacological Concepts II 3 Credits**

Integration of concepts in pharmacology with a focus on high risk medications, drug calculations, and teaching.

**Prerequisites:** NURS 244/NURS 244L, NURS 246, and NURS 247/NURS 247L.

**Corequisites:** NURS 248/NURS 248L and NURS 250/NURS 250L.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 250 Health Assessment for Nurses 3 Credits**

Acquisition of knowledge and skills necessary for completing health assessment across the life span.

**Prerequisites:** NURS 244/NURS 244L, NURS 246, and NURS 247/NURS 247L.

**Corequisites:** NURS 248/NURS 248L, NURS 249, and NURS 250L.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 250L Health Assessment for Nurses Laboratory 1 Credit**

Acquisition of knowledge and skills necessary for completing health assessment across the life span.

**Prerequisites:** NURS 244/NURS 244L, NURS 246, and NURS 247/NURS 247L.

**Corequisites:** NURS 248/NURS 248L, NURS 249, and NURS 250.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 251 Adult Concepts of Health II 3 Credits**

Continuation of study to meet the needs of higher level acuity patients and evaluating optimal healthcare outcomes. Students incorporate evidence-based care and apply clinical reasoning while developing additional practice and skills in organizing and prioritizing patient care more effectively.

**Prerequisites:** NURS 248/NURS 248L, NURS 249, and NURS 250/NURS 250L.

**Corequisites:** NURS 251L and NURS 253/NURS 253L.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 251L Adult Concepts of Health II Laboratory 3 Credits**

Continuation of study to meet the needs of higher level acuity patients and evaluating optimal healthcare outcomes. Students incorporate evidence-based care and apply clinical reasoning while developing additional practice and skills in organizing and prioritizing patient care more effectively.

**Prerequisites:** NURS 248/NURS 248L, NURS 249, and NURS 250/NURS 250L.

**Corequisites:** NURS 251 and NURS 253/NURS 253L.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 252 Mental Health Concepts in Nursing2 Credits**

Exploration of psychosocial concepts with a focus on maintaining mental health of the community, individual, and family.

**Prerequisites:** NURS 251, NURS 251L, NURS 253, and NURS 253L.

**Corequisites:** NURS 252L, NURS 255, NURS 255L, NURS 256, and NURS 256L.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 252L Mental Health Concepts in Nursing Laboratory2 Credits**

Exploration of psychosocial concepts with a focus on maintaining mental health of the community, individual, and family.

**Prerequisites:** NURS 251, NURS 251L, NURS 253, and NURS 253L.

**Corequisites:** NURS 252, NURS 255, NURS 255L, NURS 256, and NURS 256L.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 253 Family Nursing Obstetrics and Pediatrics4 Credits**

Exploration of family health with particular focus on pregnant women and the developmental health of infants, children, and adolescents.

**Prerequisites:** NURS 248/NURS 248L, NURS 249, and NURS 250/NURS 250L.

**Corequisites:** NURS 251/NURS 251L and NURS 253L.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 253L Family Nursing Obstetrics and Pediatrics Laboratory2 Credits**

Exploration of family health with particular focus on pregnant women and the developmental health of infants, children, and adolescents.

**Prerequisites:** NURS 248/NURS 248L, NURS 249, and NURS 250/NURS 250L.

**Corequisites:** NURS 251/NURS 251L and NURS 253.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 255 Adult Concepts of Health III3 Credits**

Exploration of critical care needs of adult patients. Previous knowledge is integrated throughout to assist with optimal functioning in various complex health care situations.

**Prerequisites:** NURS 251/NURS 251L and NURS 253/NURS 253L.

**Corequisites:** NURS 252/NURS 252L, NURS 255L, and NURS 256/NURS 256L.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 255L Adult Concepts of Health III Laboratory3 Credits**

Exploration of critical care needs of adult patients. Previous knowledge is integrated throughout to assist with optimal functioning in various complex health care situations.

**Prerequisites:** NURS 251, NURS 251L, NURS 253, and NURS 253L.

**Corequisites:** NURS 252, NURS 252L, NURS 255, NURS 256, and NURS 256L.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 256 Capstone1 Credit**

Exploration of the physiological and psychosocial factors that contribute to altered health states and their impact on patients and their families.

Emphasis is on the application of the nursing process and refinement of clinical skills. Students gain experience in working with patients in acute care settings as well as working with the families of acutely ill individuals.

**Prerequisites:** NURS 251/NURS 251L, and NURS 253/NURS 253L.

**Corequisites:** NURS 252/NURS 252L, NURS 255/NURS 255L, and NURS 256L.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 256L Capstone Laboratory2 Credits**

Exploration of the physiological and psychosocial factors that contribute to altered health states and their impact on patients and their families.

Emphasis is on the application of the nursing process and refinement of clinical skills. Students gain experience in working with patients in acute care settings as well as working with the families of acutely ill individuals.

**Prerequisites:** NURS 251, NURS 251L, NURS 253, and NURS 253L.

**Corequisites:** NURS 252, NURS 252L, NURS 255, NURS 255L, and NURS 256.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 286 Advanced Pharmacology for Nurses2 Credits**

Focuses on advanced concepts of pharmacology within nursing with an emphasis on nursing process, drug doses, calculations and relevant assessments and patient teaching.

**Prerequisites:** LPN license.

**Corequisites:** NURS 200, NURS 206/NURS 206L, and NURS 288.

**NURS 288 Health and Physical Assessment for Nursing2 Credits**

[AAS Program only] Development of the knowledge necessary for completing health assessment across the life span. History taking, physical assessment skills, and principles of health promotion are utilized to develop appropriate interventions designed to assist clients with health promotion and life style changes.

**Prerequisites:** All essential learning and prerequisites.

**Corequisites:** NURS 206 and NURS 200.

**NURS 289 Capstone: Comprehensive Nursing Internship2 Credits**

Facilitates transition from student to graduate nurse through application of nursing principles and skills in an area of health care delivery. Critical thinking, life long learning, nursing process, caring, collaboration, and health teaching and promotion are emphasized.

**Prerequisites:** All prerequisites for the AAS program, NURS 200, NURS 206/NURS 206L, NURS 211/NURS 211L, NURS 217, NURS 286, NURS 288.

**Corequisites:** NURS 210/NURS 210L and NURS 216/NURS 216L.

**NURS 300 Developing the Baccalaureate Role3 Credits**

Introduction to baccalaureate role development for the professional nurse in current issues, nursing theory and philosophy, leadership and management skills, and legal and ethical behaviors in the practice setting. Skills associated with the impact of change to promote patient safety and collaboration in nursing and healthcare will be explored.

**Prerequisites:** Admission to the RN-BSN Program.

**Terms Typically Offered:** Fall, Spring, Summer.



**NURS 318 Health Assessment and Promotion3 Credits**

Development of the knowledge necessary for completing health assessment across the life span. History taking, physical assessment skills, and principles of health promotion are utilized to develop appropriate interventions designed to assist clients with health promotion and prevention over the life span.

**Prerequisites:** Admission to the LPN-BSN program.

**Corequisites:** NURS 318L, NURS 329/NURS 329L, NURS 333, and NURS 400.

**Fees:** Yes.

**NURS 318L Health Assessment and Promotion Laboratory1 Credit**

Application of techniques necessary for completing health assessments across the life span. Includes history taking, physical assessment skills, and principles of health promotion. Apply information to develop appropriate interventions designed to assist clients with health promotion and life style changes.

**Prerequisites:** Admission to the LPN-BSN Program.

**Corequisites:** NURS 318, NURS 329/NURS 329L, NURS 333, and NURS 400.

**Fees:** Yes.

**NURS 320 Health Assessment and Promotion for the Nurse3 Credits**

Apply knowledge necessary for completing a child, adult, and geriatric client health assessment. Use history taking and physical assessment skills to develop appropriate interventions designed to assist clients with health promotion and lifestyle changes. Apply principles of health promotion through the life span in a variety of settings.

**Prerequisites:** Admission to the RN-BSN Program or practicing RN with current license and permission of instructor.

**Corequisites:** NURS 320L.

**NURS 320L Health Assessment and Promotion for the Nurse Laboratory1 Credit**

Application of knowledge necessary for completing a child, adult, and geriatric client health assessment. Use of history-taking and physical assessment skills to develop appropriate interventions designed to assist clients with health promotion and lifestyle changes. Application of principles of health promotion through the lifespan in a variety of settings.

**Prerequisites:** Admission into RN-BSN program or practicing RN with current license and permission of instructor.

**Corequisites:** NURS 320.

**NURS 329 Advanced Adult Health I4 Credits**

Exploration of the registered professional nurse as care provider, teacher, manager, professional, and advocate in meeting the nursing care needs of adults across the life span.

**Prerequisites:** Admission into the LPN-BSN Program.

**Corequisites:** NURS 318/NURS 318L, NURS 329L, NURS 333, and NURS 400.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 329L Advanced Adult Health I Laboratory3 Credits**

Lab component required for NURS 329.

**Prerequisites:** Admission to the LPN-BSN program.

**Corequisites:** NURS 318/NURS 318L, NURS 329, NURS 333, and NURS 400.

**Fees:** Yes.

**NURS 333 Basic Concepts of Pharmacology II2 Credits**

Exploration of advanced concepts of pharmacology within nursing with an emphasis on nursing process, drug doses, calculations, relevant assessments, and patient teaching.

**Prerequisites:** Admission into the LPN-BSN program.

**Corequisites:** NURS 318/NURS 318L, NURS 329/NURS 329L, and NURS 400.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 350 Health Assessment Across the Lifespan3 Credits**

Introduction to the basic skills of history taking and physical assessment of individuals through the lifespan. Emphasis on knowledge and skills necessary for conducting a systematic or focused health assessment and determining areas in which to implement health promotion activities.

**Prerequisites:** Admission to the BSN program. Foundation courses required. See program sheet for details.

**Corequisites:** NURS 350L, NURS 353/NURS 353L, NURS 370, and NURS 372.

**Fees:** Yes.

**NURS 350L Health Assessment Across the Lifespan Laboratory1 Credit**

Application of knowledge and clinical skills in obtaining a health history and performing a physical examination of individuals across the lifespan. Focus is on the practice and refinement of psychomotor, communication, and critical thinking skills with an emphasis on privacy, confidentiality, and safety.

**Prerequisites:** Admission to the BSN program. Foundation courses required. See program sheet for details.

**Corequisites:** NURS 350, NURS 353/NURS 353L, NURS 370, and NURS 372.

**Fees:** Yes.

**NURS 353 Foundation of Nursing Practice4 Credits**

Introduction to the fundamentals of nursing practice and the knowledge required to implement patient-centered care through the lifespan in a variety of settings. Focus is on safety, basic nursing care, assessment, communication, documentation, and quality care.

**Prerequisites:** Admission to the BSN program.

**Corequisites:** NURS 350/NURS 350L, NURS 353L, NURS 370, and NURS 372.

**Fees:** Yes.

**NURS 353L Foundations of Nursing Practice Laboratory3 Credits**

Application of fundamental concepts and evidenced-based nursing skills in settings that provide safe learning opportunities. Sites include clinical labs, simulation labs, and an array of local healthcare facilities.

**Prerequisites:** Admission to the BSN program.

**Corequisites:** NURS 350/NURS 350L, NURS 353, NURS 370, and NURS 372.

**Fees:** Yes.

**NURS 370 Pharmacology for Nurses I3 Credits**

Introduction to drug therapy including specific drug classifications, terminology, theories and techniques of safe administration. Focus on nursing considerations, utilizing the nursing process, and becoming proficient at medication calculations. Major content includes the basic concepts of pharmacology, commonly prescribed drugs, drug effects on body tissues, responses to drug therapy, and principles of therapy in various circumstances and populations.

**Prerequisites:** Admission to the BSN program. Foundation courses required. See program sheet for details.

**Corequisites:** NURS 350/NURS 350L, NURS 353/NURS 353L, and NURS 372.

**Fees:** Yes.

**NURS 372 Professional Development I: Nursing Theory, Roles and Ethics** 2 Credits

Introduction to knowledge, skills, and attitudes related to nursing practice. Emphasis on history of professional nursing, nursing theory, legal, ethical, and safety issues. Exploration of principles of communication, time management, and critical thinking as they relate to the professional nurse.

**Prerequisites:** Admission to the BSN program.

**Corequisites:** NURS 350/NURS 350L, NURS 353/NURS 353L, and NURS 370.

**Fees:** Yes.

**NURS 373 Acute and Chronic Illness I** 4 Credits

Application of the nursing process in care of individuals and families experiencing deviations from usual levels of wellness. Exploration of pathophysiology of moderate intensity and relative stability. Emphasis on identification of coping mechanisms of individuals and families to assist in health recovery, health promotion, and the adoption of strategies for illness prevention.

**Prerequisites:** Admission to the BSN program.

**Corequisites:** NURS 373L, NURS 388/NURS 388L, and NURS 394.

**Fees:** Yes.

**NURS 373L Acute and Chronic Illness I Clinical** 4 Credits

Application of nursing process in care of individuals and families in acute and chronic health care settings. Emphasis on patient safety, health promotion, multi-disciplinary health care and the uniqueness of individual response to disease. Development of essential skills of assessment, problem identification, goal setting, application of interventions, evaluation of outcomes, cultural sensitivity, and critical thinking skills.

**Prerequisites:** Admission to the BSN program.

**Corequisites:** NURS 373, NURS 388/NURS 388L, and NURS 394.

**Terms Typically Offered:** Fall, Spring.

**Fees:** Yes.

**NURS 388 Mental Health Nursing** 3 Credits

Introduction to patient-centered, culturally sensitive approach to needs of individuals, families, and groups experiencing alterations in mental health across the lifespan. Emphasis on theoretical knowledge and evidence-based practice to promote, maintain and restore mental and emotional health. Exploration of use of self as a therapeutic tool, principles of therapeutic relationships and communication and a knowledge-base of psychopathology.

**Prerequisites:** Admission to the BSN program.

**Corequisites:** NURS 373/NURS 373L, and NURS 388L and NURS 394.

**Fees:** Yes.

**NURS 388L Mental Health Nursing Clinical** 2 Credits

Application of theory in care of clients with a wide-range of psychiatric and/or mental health disorders across the lifespan. Emphasis on the nurse's role in various treatment settings and current treatment modalities. Development of proficiency in mental health practice with diverse populations. Emphasis on therapeutic use of self with individuals and groups in a variety of community-based settings.

**Prerequisites:** Admission to the BSN program.

**Corequisites:** NURS 373/NURS 373L, and NURS 388 and NURS 394.

**Fees:** Yes.

**NURS 394 Nursing Research: An Evidence-Based Practice** 2 Credits

Exploration of research practice in scholarly inquiry in health care. Examination of research methodologies and related theories to develop a literature review and an evidence-based practice proposal to investigate nursing questions and outcomes. Emphasis on research as a basis for assessment of health promotion and health care interventions.

**Prerequisites:** Admission to the BSN program.

**Corequisites:** NURS 373/NURS 373L and NURS 388/NURS 388L.

**Terms Typically Offered:** Fall, Spring.

**Fees:** Yes.

**NURS 395 Independent Study** 1-3 Credits

Course may be taken multiple times up to maximum of 6 credit hours.

**NURS 396 Topics** 1-3 Credits

Course may be taken multiple times up to maximum of 15 credit hours.

**NURS 400 Nursing Research** 3 Credits

Exploration of evidence-based practices related to outcomes within the health care setting. Research questions relevant to clinical practice are developed and pursued.

**Prerequisites:** Admission to the LPN-BSN program.

**Corequisites:** NURS 318/NURS 318L, NURS 329/NURS 329L, and NURS 333.

**Fees:** Yes.

**NURS 408 Health Information Systems** 3 Credits

Explores the use of information systems in health care and nursing practice. Examines current trends and issues in using, designing, and implementing health care information systems, healthcare information management, decision support and knowledge management applications in the context of challenges facing healthcare organizations today. Explores legal and ethical issues as related to the protection of the privacy, confidentiality, and security of information in health care environments, utility of wide array of personal health information management and social networking tools in communicating health-related information.

**Prerequisites:** RN degree at the associate or diploma level; permission of instructor; application in to HITS program.

**NURS 409 Quality Assessment and Improvement in Health Care Settings** 3 Credits

Review of outcomes-based quality assessment and improvement methods. Focuses on techniques of measuring quality of care, customer satisfaction, and safety. Implementation of quality management programs, and creating a culture supporting adherence to best practices and standards.

**Prerequisites:** Permission of instructor.

**NURS 410 Population Health Nursing** 3 Credits

Exploration of theoretical basis for community and population health and the role of the nurse. Exploration of microsystems, applications of transitions of care, financing concepts in the community setting, and analysis of the health of populations. Emphasis on health promotion, disease prevention, using epidemiology, environmental health, health policy, aggregates, systems, populations, community assessment, and community interventions.

**Prerequisites:** NURS 320/NURS 320L.

**Corequisites:** NURS 410L.

**NURS 410L Population Health Nursing Laboratory1 Credit**

Application of theory in practice with diverse populations and aggregates in the community to achieve an optimum level of wellness. Emphasis on health disparities, cultural diversity, social justice, and health laws and policies related to population vulnerability throughout the life course. Exploration of the continuum of outpatient care in home health and collaboration with community services.

**Prerequisites:** NURS 320/NURS 320L.

**Corequisites:** NURS 410.

**Terms Typically Offered:** Fall, Spring.

**NURS 415 Business of Health Care2 Credits**

Appraisal of financial indicators on impact of health outcomes explored in the context of the professional's ability to provide quality care to a diverse patient population.

**Prerequisites:** NURS 403/NURS 403L, NURS 406/NURS 406L, and NURS 407.

**Corequisites:** NURS 411/NURS 411L, NURS 412L, and NURS 416.

**NURS 417 Forensic Science: The Human Interface2 Credits**

Introduces the principles of forensic science as they relate to care of individuals experiencing events which require intervention from both the legal and health care systems. Integrates concepts from health care, psychology, sociology, criminology used to clinically investigate crimes against humans. Focuses on the unique knowledge and attributes that health care professionals contribute to multidisciplinary forensic investigation. Addresses various aspects of forensic investigation including role of the forensic scientist in working with the victim and the perpetrator, wound identification and collection of evidence. Specific areas of domestic violence, sexual assault, elder abuse, gang behavior, death investigation, victims' advocacy and courtroom dynamics are included. Students will experience forensic investigation in clinical areas.

**Prerequisites:** Acceptance into the B.S.N. program, or permission of instructor.

**NURS 418 Gerontological Nursing and Chronic Illness3 Credits**

Evaluation of nursing leadership and trends central to individualized care of the older adult that affect nursing care. A scientifically sound, holistic process to provide culturally sensitive care for the geriatric population will be explored.

**Prerequisites:** Admission to the RN-BSN Program.

**Terms Typically Offered:** Fall, Spring, Summer.

**NURS 420 Global Health3 Credits**

This is a multidimensional course for nursing students who want to broaden their understanding of health care in the global community. The course involves pre-trip seminars, travel to a country of focus and post-trip sessions. Attendance is required at all sessions. Level Two nursing preparation recommended. The pre-trip seminars are conducted by the lead faculty and guest speakers. Students will prepare and present on topics during the seminars and will have opportunities to develop leadership skills. Within the focus country, students will travel as a group, meeting local health care professionals, student nurses, and nursing faculty. Students will volunteer alongside local providers, delivering care within their scope of practice and the boundaries delineated by the Ministry of Health. Opportunities to develop critical thinking skills, the nursing process and culturally sensitive care will be part of the pre-trip and in-country experiences. A post-trip seminar and a presentation to the community are also mandatory.

**NURS 421 Population Health3 Credits**

Approaches to care and finance in the community care setting. Application of population risk reduction used to develop nursing interventions for high risk aggregates.

**Prerequisites:** NURS 318/NURS 318L, NURS 329/NURS 329L, NURS 333, and NURS 400.

**Corequisites:** NURS 421L and NURS 427/NURS 427L.

**Terms Typically Offered:** Summer.

**Fees:** Yes.

**NURS 421L Population Health Laboratory2 Credits**

Lab component required for NURS 421.

**Prerequisites:** NURS 318/NURS 318L, NURS 329/NURS 329L, NURS 333, and NURS 400.

**Corequisites:** NURS 421, and NURS 427/NURS 427L.

**Fees:** Yes.

**NURS 426 Nursing Research and Evidence-Based Practice3 Credits**

Emphasis on nursing research and evidence-based practice in the process of scholarly inquiry in health care. Examination of research methodologies and related theories to facilitate development of a research proposal to investigate health care questions and outcomes.

**Prerequisites:** MATH 110 or higher and STAT 200.

**Terms Typically Offered:** Fall, Spring.

**NURS 427 Mental Health3 Credits**

Exploration of psychosocial integrity with emphasis on the function and responsibility of nursing in promoting and maintaining mental health of individuals and families. This course emphasizes communication and caring through the application of the therapeutic relationship and nursing process in the care and treatment of common clinical conditions/disorders.

**Prerequisites:** NURS 318/NURS 318L, NURS 329/NURS 329L, NURS 333, and NURS 400.

**Corequisites:** NURS 421/NURS 421L, and NURS 427L.

**Fees:** Yes.

**NURS 427L Mental Health Laboratory1 Credit**

Approaches to psychosocial integrity with emphasis on the function and responsibility of nursing in promoting and maintaining mental health of individuals and families. Students will develop proficiency in working with psychiatric clients in various settings in the community.

**Prerequisites:** NURS 318/NURS 318L, NURS 329/NURS 329L, NURS 333, and NURS 400.

**Corequisites:** NURS 421/NURS 421L, and NURS 427.

**Fees:** Yes.

**NURS 429 Adult Health II3 Credits**

Exploration of the role of the registered professional nurse as care provider, teacher, manager, professional, and advocate in meeting the complex medical and surgical health care needs of critically ill adult clients. Students are expected to integrate previous learning to assist the patient and family in achieving optimal functioning in various complex health care situations and settings.

**Prerequisites:** NURS 421/NURS 421L and NURS 427/NURS 427L.

**Corequisites:** NURS 429L, NURS 431/NURS 431L, NURS 449/NURS 449L, and NURS 470L.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 429L Adult Health II Laboratory3 Credits**

Integration of previous learning to assist the patient and family in achieving optimal functioning in various complex health care situations and settings. In addition to inpatient acute care units, the student will rotate through the critical care areas of the health care facility.

**Prerequisites:** NURS 400, NURS 421/NURS 421L, and NURS 427/NURS 427L.

**Corequisites:** NURS 429, NURS 431/NURS 431L, NURS 449/NURS 449L, and NURS 470L.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 430 Leadership for the RN3 Credits**

Exploration of nurses functioning in leadership and management capacity at the baccalaureate level. Application of components of leadership to the delivery of care and the role of the nurse in shaping the future of health care. Examination of trends and issues impacting nursing and the future of health care delivery systems.

**Prerequisites:** Admission to the RN-BSN Program and NURS 426.

**Corequisites:** NURS 430L.

**Terms Typically Offered:** Fall, Spring, Summer.

**NURS 430L Leadership for the RN Laboratory1 Credit**

Application of theory into practice while functioning in a leadership and management capacity. Clarification of short and long-term career goals and plans for other aspects of entry into practice. Development and evaluation of individual learning objectives throughout the practice experience. Application of theory in the role of a mentor in a practice setting.

**Prerequisites:** Admission to the RN-BSN program and NURS 426.

**Corequisites:** NURS 430.

**Terms Typically Offered:** Fall, Spring, Summer.

**NURS 431 High Risk Obstetrics and Pediatrics3 Credits**

Exploration of advanced concepts in the care of the high-risk child-bearing family and for children with complex health problems from birth through adolescence. Emphasizes special needs and complications during the prenatal experience and altered functioning.

**Prerequisites:** NURS 421/NURS 421L and NURS 427/NURS 427L.

**Corequisites:** NURS 429/NURS 429L, NURS 431L, NURS 449/NURS 449L, and NURS 470L.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 431L High Risk Obstetrics and Pediatrics Laboratory2 Credits**

Application of advanced concepts in the care of the high-risk child-bearing family and for children with complex health problems from birth through adolescence. Emphasizes special needs and complications during the prenatal experience and altered functioning.

**Prerequisites:** NURS 421/NURS 421L and NURS 427/NURS 427L.

**Corequisites:** NURS 429/NURS 429L, NURS 431, NURS 449/NURS 449L, and NURS 470L.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 432 Capstone Leadership for the RN4 Credits**

Exploration of the registered nurse's role in healthcare through lifelong learning. Students will evaluate how professional development affects patient care, quality, and safety. The course will provide structure to develop and implement a formal professional plan to exhibit competency as a Baccalaureate-prepared nurse in an ever-changing practice environment.

**Prerequisites:** NURS 300, NURS 320, NURS 320L, NURS 408, NURS 409, NURS 410, NURS 410L, NURS 418, NURS 426, NURS 430, and NURS 430L.

**Terms Typically Offered:** Fall, Spring, Summer.

**NURS 449 Leadership2 Credits**

Exploration of leadership and management theory utilized in development of characteristics of a nurse leader. The role of the professional nurse as a change agent in shaping health care for the future is explored.

**Prerequisites:** NURS 421/NURS 421L and NURS 427/NURS 427L.

**Corequisites:** NURS 429/NURS 429L, NURS 431/NURS 431L, NURS 449L, and NURS 470L.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 449L Leadership Laboratory1 Credit**

Application of leadership and management theory utilized in development of characteristics of a nurse leader. The focus is on the exploration and analysis of contemporary nursing practice and current evidence-based practice as the basis for nursing care in the clinical setting.

**Prerequisites:** NURS 421/NURS 421L and NURS 427/NURS 427L.

**Corequisites:** NURS 429/NURS 429L, NURS 431/NURS 431L, NURS 449, and NURS 470L.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 450 Intensive Care Areas Specialty Practice Preparedness3 Credits**

Overview of the dynamics of the collaborative and independent nature of nursing practice within critical care, perioperative, and emergency nursing. Commonalities of practice areas will be explored within the context of the nursing process. Includes recognizing and analyzing pertinent diagnostic data and physical and psychosocial assessment data; identifying common patient health problems and interventions; and determining patient outcomes. Prerequisite to the in-depth specialty practice courses.

**NURS 457 Obstetrical Nursing2 Credits**

Introduction to nursing care of the childbearing family. Emphasis is on growth and developmentally appropriate management of the health needs of the mother and neonate. Exploration of psychological, psychosocial, and pathophysiological changes of the population. Application of nursing process to gather and analyze data and formulate interventions for the obstetrical patient and neonate within culturally diverse families.

**Prerequisites:** Admission to the BSN program.

**Corequisites:** NURS 458, NURS 459L, NURS 472, and NURS 473/NURS 473L.

**Terms Typically Offered:** Fall, Spring.

**Fees:** Yes.



**NURS 458 Pediatric Nursing2 Credits**

Introduction to nursing care of the child. Emphasis is on growth and developmentally appropriate management of the health and illness related needs of the child within the family. Exploration of physiological, psychosocial, and pathophysiological changes of the population. Application of nursing process to gather and analyze data and formulate interventions for children within culturally and socially diverse families.

**Prerequisites:** Admission to the BSN program.

**Corequisites:** NURS 457, NURS 459L, NURS 472, and NURS 473/  
NURS 473L.

**Terms Typically Offered:** Fall, Spring.

**Fees:** Yes.

**NURS 459L Obstetrical and Pediatric Nursing Clinical3 Credits**

Application of the nursing care of the childbearing family. Emphasis on growth and development and management of the health and illness needs of the mother, newborn, and child within the family. Exploration of nursing care in labor and delivery, post-partum, newborn, and pediatrics will incorporate physiological, psycho-social, and pathophysiological changes of the population.

**Prerequisites:** Admission to the BSN program.

**Corequisites:** NURS 457, NURS 458, NURS 472, and NURS 473/  
NURS 473L.

**Terms Typically Offered:** Fall, Spring.

**Fees:** Yes.

**NURS 470L Capstone Laboratory2 Credits**

Application of nursing principles and skills in an area of health care delivery. Critical thinking, lifelong learning, nursing process, caring, collaboration, and health teaching and promotion are emphasized.

**Prerequisites:** NURS 421/NURS 421L, and NURS 427/NURS 427L.

**Corequisites:** NURS 429/NURS 429L, NURS 431/NURS 431L, and  
NURS 449/NURS 449L.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 472 Professional Development II: Health Informatics2 Credits**

Exploration of information systems in health care and nursing practice. Exploration of current trends and issues in using, designing, and implementing health care information systems, healthcare information management, decision support, and knowledge management applications. Introduction of legal and ethical issues, management, and social networking tools in communicating health-related information.

**Prerequisites:** Admission to the BSN program.

**Corequisites:** NURS 457, NURS 458, NURS 459L, and NURS 473/  
NURS 473L.

**Terms Typically Offered:** Fall, Spring.

**Fees:** Yes.

**NURS 473 Acute and Chronic Illness II4 Credits**

Application of critical thinking skills and the nursing process in caring for individuals in the acute care setting. Emphasis on disease pathophysiology, patient teaching, and continuity of care upon discharge. Exploration of coping mechanisms, adaptation, and implementation of health care strategies in acute illness.

**Prerequisites:** Admission to the BSN program.

**Corequisites:** NURS 457, NURS 458, NURS 459L, NURS 472, NURS 473L.

**Terms Typically Offered:** Fall, Spring.

**Fees:** Yes.

**NURS 473L Acute and Chronic Illness II Clinical3 Credits**

Application of theory to complete comprehensive assessments and plan care for patients in acute and critical care. Exploration of health problems in critical care, emergency, medical-surgical units, invasive procedure labs, renal dialysis, specialized healthcare teams, and other acute care clinical areas. Introduction of the high fidelity simulation lab.

**Prerequisites:** Admission to the BSN program.

**Corequisites:** NURS 457, NURS 458, NURS 459L, NURS 472, NURS 473.

**Terms Typically Offered:** Fall, Spring.

**Fees:** Yes.

**NURS 480 Basic Concepts in Palliative Care2 Credits**

Provides basic theory about the practice of hospice and palliative care with focus on the consequences of progressive, predictable disease, providing attention to the whole person and family, and using scientific practice in developing treatment for pain and symptoms. Explores assessment, advanced communication skills, responses to loss, advance care planning, symptom management, and cultural and ethical issues.

**Prerequisites:** Prior RN degree and licensure, and current enrollment in the BSN program.

**NURS 482 Professional Development III: The Professional Nurse2 Credits**

Exploration of the transition to professional nursing practice. Emphasis on licensure related to scope of practice, delegation, professional development, and policy. Exploration of health care systems pertaining to quality improvement, patient outcomes, finance, and policy.

**Prerequisites:** Admission to the BSN program.

**Terms Typically Offered:** Fall, Spring.

**Fees:** Yes.

**NURS 487 Community and Population Nursing3 Credits**

Exploration of the foundational knowledge and competencies essential for providing culturally inclusive and evidence-based nursing care to diverse communities and populations. Focuses on health equity, engaging in health promotion activities, and contributing to the improvement of population health outcomes through innovative nursing interventions and collaborative partnerships.

**Prerequisites:** Admission to the BSN program.

**Terms Typically Offered:** Fall, Spring.

**Fees:** Yes.

**NURS 487L Community and Population Nursing Clinical2 Credits**

Application of theory in practice with diverse populations and aggregates in the community to achieve an optimum level of wellness. Emphasis on health disparities, cultural diversity, social justice, and health laws and policies related to population vulnerability throughout the lifespan. Exploration of the continuum of outpatient care in home health and collaboration with community services.

**Prerequisites:** Admission to the BSN program.

**Terms Typically Offered:** Fall, Spring.

**Fees:** Yes.

**NURS 490 Nursing Leadership and Management3 Credits**

Introduction to nursing leadership and management concepts and strategies for high-quality decision-making processes for safe nursing practice. Exploration of a variety of leadership and management issues and trends in local, state, and or national settings that affect nursing practice. Comparison of the roles and responsibilities of leaders and managers as change agents to impact the future of healthcare.

**Prerequisites:** Admission to the BSN program.

**Terms Typically Offered:** Fall, Spring.

**Fees:** Yes.

**NURS 490L Nursing Leadership and Management Clinical1 Credit**

Development of skills necessary to hold a leadership or management role in nursing. Emphasis is on practice experiences utilizing leadership and management theory.

**Prerequisites:** Admission to the BSN program.

**Terms Typically Offered:** Fall, Spring.

**Fees:** Yes.

**NURS 492 Pharmacology for Nurses II2 Credits**

Integration of established pharmacology concepts from foundational nursing courses into the nursing process in preparation for clinical practice and the NCLEX-RN exam for the nursing profession. Emphasis on nursing considerations, and patient education and application of critical concepts.

**Prerequisites:** Admission to the BSN program.

**Terms Typically Offered:** Fall, Spring.

**Fees:** Yes.

**NURS 493A Senior Capstone Clinical I2 Credits**

Experiential learning under the direction of nurse preceptors and nursing faculty in a variety of practice settings, with a focus on four core competencies: assessment, technical skills, communication, and critical thinking. Emphasis is placed on the development of personal and professional strategies necessary to transition from the role of student nurse to graduate nurse.

**Prerequisites:** Acceptance into CMU nursing program; AHA CPR certification.

**Terms Typically Offered:** Fall.

**Fees:** Yes.

**NURS 493B Senior Capstone Clinical II2 Credits**

Continued experiential learning under the direction of nurse preceptors and nursing faculty in a variety of practice settings, with a focus on four core competencies: assessment, technical skills, communication, and critical thinking. Emphasis is placed on the development of personal and professional strategies necessary to transition from the role of student nurse to graduate nurse.

**Prerequisites:** Acceptance into CMU nursing program; AHA CPR certification.

**Terms Typically Offered:** Spring.

**Fees:** Yes.

**NURS 493L Senior Capstone Clinical4 Credits**

Experiential learning under the direction of nurse preceptors and nursing faculty in a variety of practice settings, with a focus on four core competencies: assessment, technical skills, communication, and critical thinking. Emphasis is placed on the development of personal and professional strategies necessary to transition from the role of student nurse to graduate nurse.

**Prerequisites:** Admission to the BSN program.

**Terms Typically Offered:** Fall, Spring, Summer.

**Fees:** Yes.

**NURS 495 Independent Study1-4 Credits**

Course may be taken multiple times up to maximum of 6 credit hours.

**NURS 496 Topics1-3 Credits**

Course may be taken multiple times up to maximum of 15 credit hours.

**NURS 499 Internship1-12 Credits**

Course may be taken multiple times up to maximum of 15 credit hours.

**NURS 500 Theoretical Foundations3 Credits**

Exploration of the critical components of nursing knowledge, including concepts, philosophies, theories, and conceptual models. Evaluates the variety of ways to organize nursing knowledge. Explores the application of nursing theory and nursing knowledge in the healthcare environment.

**Prerequisites:** Admission to the MSN or DNP program.

**NURS 501 Evidence-Based Practice2 Credits**

Analysis of advanced research concepts and their relationship to evidence-based practice. Exploration of application of research, ethics, designs, and methods to promote healthcare quality and safety.

**Prerequisites:** Admission to the MSN program.

**Terms Typically Offered:** Spring.

**NURS 502 Technology for the Nurse Educator3 Credits**

Exploration of educational technologies used to advance health education to build safe, quality learning communities. Legal and ethical issues related to challenges and opportunity for technology use, computer-literacy, information-literacy and informatics will be examined for teaching in a variety of health care organizations.

**Prerequisites:** Admission to the MSN program.

**NURS 503 Organizational Leadership3 Credits**

Utilizes leadership and management theory and application to develop skills or the understanding and implementation of change. Components of the course include leadership theory and models, change theory and models, project management and systems theory, financial management, organizational culture, and continuous process improvement.

**Prerequisites:** Admission to the MSN or DNP program.

**NURS 504 Advanced Health Policy and Ethics2 Credits**

Analysis of health policies to prepare for advanced nursing leadership roles. Health care policy, cultural, sociopolitical, and legal statutes will be explored on the local, national, and/or global level. Policy influences on ethical health care dilemmas will be evaluated.

**Prerequisites:** Admission to the MSN or DNP program.

**NURS 505 Advanced Quality Improvement and Leadership3 Credits**

Approaches to outcomes-based quality assessment and improvement. Focuses on leading techniques of measuring quality of care, customer satisfaction, and safety. Implementation of quality management programs, and creating a culture of supporting adherence to best practices and standards.

**Prerequisites:** Admission to the MSN or DNP program.

**NURS 525 Advanced Pathophysiology3 Credits**

Exploration of physiologic and pathophysiologic processes underlying health and disease across the lifespan. Includes cellular, genetic, and environmental factors that impact human health and illness.

**Prerequisites:** Admission to the MSN or DNP program.

**NURS 526 Advanced Pharmacology for Nursing3 Credits**

Pharmacology decision making and advanced management required for medication therapeutics. Assessment of advanced and in-depth evaluation of pharmacotherapeutics, pharmacokinetics, pharmacodynamics, contraindications and precautions, adverse effects, and drug interactions. Emphasis is on nurses' pharmacologic management of maximizing therapeutic effect, minimizing adverse effects, and patient and family education.

**Prerequisites:** NURS 525.

**NURS 527 Advanced Health Assessment 2 Credits**

Demonstration of a focused and comprehensive health assessment of clients across the lifespan. Includes diverse populations, biological, psychological, sociological, spiritual, and cultural aspects.

**Prerequisites:** NURS 525.

**Corequisites:** NURS 577.

**NURS 530 Chronic Illness Management 3 Credits**

Provides a framework for competency in chronic illness and disease which now accounts for a large percentage of the nation's health care costs. Introduction to the prevalence of chronic disease and its impact on the individual, family, community, and society is explored. Explores nursing's role in prevention and intervention of specific medical diseases, and psychosocial aspects of chronic illness and disability.

**Prerequisites:** Bachelor of Science in Nursing Degree.

**NURS 535 Health Promotion and Disease Prevention 2 Credits**

Theories and principles involved in planning, implementing, and evaluating interventions for health promotion and disease prevention across the lifespan. Focus is on behavior change at the individual and aggregate levels, while considering cultural variations of patient populations and ethical decision-making for nursing professionals. Factors underlying development of chronic illnesses are explored.

**Prerequisites:** Admission to the MSN or DNP program.

**NURS 536 Leading Through Quality, Policy, and Ethics 3 Credits**

Survey of leadership theories and skills, quality improvement principles, health policies, and ethical and legal issues to prepare for advanced nursing roles on the local, national, and/or global level using evidence-based practice for contemporary social change and complex health care delivery systems.

**Prerequisites:** Admission to the MSN or DNP program.

**Terms Typically Offered:** Summer.

**NURS 540 Teaching Strategies for the Nurse Educator 3 Credits**

Exploration of strategies to promote proficiency in teaching and learning. Teaching and learning theories, principles, and the application of teaching strategies that promote a positive learning environment will be explored for a variety of settings.

**Prerequisites:** Admission to the MSN Program.

**NURS 545 Curriculum Design/Evaluation 3 Credits**

Approaches to curricular design and evaluation within nursing education. Program and course development for online, hybrid, and face-to-face courses, assessment and evaluation concepts, and basic legal and ethical issues for nursing education will be explored.

**Prerequisites:** Acceptance into the Master of Science of Nursing-Nurse Educator program.

**Corequisites:** NURS 545L.

**NURS 545L Curriculum Design/Evaluation Laboratory 1 Credit**

Approaches to curricular design and evaluation within nursing education. Program and course development for online, hybrid, and face-to-face courses, assessment and evaluation concepts, and basic legal and ethical issues for nursing education will be explored.

**Prerequisites:** Acceptance to the Master of Science in Nursing program.

**Corequisites:** NURS 545.

**Terms Typically Offered:** Fall.

**NURS 560 Nurse Educator Practicum 3 Credits**

Application of nursing teaching theory in a variety of teaching settings. Integrates knowledge from previous courses and includes opportunities to participate in all aspects of the educator role.

**Prerequisites:** NURS 502, NURS 540, and NURS 545/NURS 545L.

**Corequisites:** NURS 565.

**NURS 565 Role Development: Nurse Educator 3 Credits**

Exploration of the role and responsibilities of a nurse educator in a variety of settings will be discovered. Concepts and issues specific to nurse educators will be examined, while concluding this course through a comprehensive literature review on a topic of choice related to a nurse educator role.

**Prerequisites:** NURS 545/NURS 545L.

**Corequisites:** NURS 560.

**Terms Typically Offered:** Spring.

**NURS 575 Capstone Project 2 Credits**

Development of capstone project demonstrating synthesis of graduate work and establishes groundwork for future scholarship. Emphasis on the application of evidence-based practice within the student's clinical practice setting with selected populations. Culmination of a formal manuscript and oral defense in a public setting.

**Prerequisites:** NURS 602, NURS 603, NURS 605, NURS 615, NURS 620, and NURS 630.

**Corequisites:** NURS 604 and NURS 640.

**Terms Typically Offered:** Spring.

**NURS 577 Clinical Practicum: Advanced Health Assessment 1 Credit**

Application of didactic content related to advanced health assessment of individuals across the lifespan.

**Prerequisites:** NURS 525.

**Corequisites:** NURS 527.

**Terms Typically Offered:** Spring.

**NURS 580 Thesis 3 Credits**

Development of thesis. Synthesis of graduate work. Establishes groundwork for future scholarship. Topic chosen for thesis should reflect the student's nursing practice setting with a selected population group. Thesis project involves original research. Culminates in dissemination of findings in a formal paper to be submitted for publication.

**Prerequisites:** NURS 500, NURS 501, NURS 502, NURS 503, NURS 504, NURS 505, NURS 525, NURS 526, and NURS 527.

**NURS 586 Clinical Practicum: Procedures and Diagnostic Testing 2 Credits**

Exploration of common clinical procedures and diagnostic tests performed by primary care nurse practitioners.

**Prerequisites:** NURS 525, NURS 526, NURS 527, and NURS 577.

**Terms Typically Offered:** Summer.

**NURS 588 Clinical Procedures and Diagnostic Testing II 1 Credit**

Exploration of common clinical procedures and diagnostic tests performed by primary care nurse practitioners.

**Prerequisites:** NURS 525, NURS 526, NURS 527 and NURS 577.

**Terms Typically Offered:** Summer.

**NURS 595 Independent Study 1-3 Credits**

Course may be taken multiple times up to maximum of 6 credit hours.

**NURS 596 Topics: 1-3 Credits**

Course may be taken multiple times up to maximum of 15 credit hours.

**NURS 597 Clinical Practicum: Congregate Care of Adults & Older Persons 2 Credits**

Management of adults and older adults in congregate care settings. Emphasis on the scope of practice of the adult-gerontological nurse practitioner and regulatory standards in congregate care settings.

**Prerequisites:** NURS 525, NURS 526, NURS 527, NURS 577, NURS 603, and NURS 630.

**Terms Typically Offered:** Fall.

**NURS 600 Advanced Practice Nursing Issues2 Credits**

Critique of roles and responsibilities of the nurse practitioner. Examination of the history of nurse practitioners, client relations, and legal and ethical considerations.

**Prerequisites:** Admission to the MSN program or completion of NURS 500 level coursework.

**Terms Typically Offered:** Summer.

**NURS 601 Primary Care of the Infant, Child, and Adolescent3 Credits**

Focuses on primary care of the child and adolescent, beginning with the newborn. Growth, nutrition, well client care and guidance, assessment, diagnosis and management of acute and chronic conditions in the client population. Culture and ethnic considerations, child development, family, environment theories and concepts integrated throughout the didactic and clinical components.

**Prerequisites:** NURS 602 and NURS 620; or NURS 603 and NURS 630.

**Corequisites:** NURS 610.

**NURS 602 Primary Care of the Adult3 Credits**

Exploration of the role of the primary care nurse practitioner in adult health. Emphasis on clinical presentation, physical examination, diagnostic testing, differential diagnosis, and management of acute and chronic conditions affecting adult populations. Application of clinical practice guidelines, inter-disciplinary care, health promotion, and disease prevention in adult patients in the primary care setting.

**Prerequisites:** Admission to the MSN or DNP program..

**Corequisites:** NURS 620.

**NURS 603 Primary Care of the Older Person3 Credits**

Focus on the primary care nurse practitioner's role in older adult health. Emphasis on clinical presentation, physical examination, diagnostic testing, differential diagnosis, and management of acute and chronic conditions affecting older adult populations. Explores the application of clinical practice guidelines, inter-disciplinary care, health promotion, and disease prevention in older adults in primary care settings.

**Prerequisites:** Admission to the MSN or DNP program.

**Corequisites:** NURS 630.

**NURS 604 Primary Care of Rural and Underserved Populations1 Credit**

Synthesis of primary care in the unique role of an advanced practice nurse with rural populations and nursing's ethical code for care of underserved populations.

**Prerequisites:** NURS 602 and NURS 620; or NURS 603 and NURS 630.

**Corequisites:** NURS 640.

**Terms Typically Offered:** Spring.

**NURS 605 Mental and Behavioral Health2 Credits**

Exploration of mental and behavioral health disorders seen and managed in the primary care setting. Review of clinical presentations, diagnostic reasoning, and therapeutic management options for individuals with mental and behavioral health conditions seen in primary care settings.

**Prerequisites:** Admission to the MSN or DNP program.

**Corequisites:** NURS 615.

**Terms Typically Offered:** Fall.

**NURS 606 Interprofessional Collaboration for Care Management1 Credit**

Critique of the principles of case management within interdisciplinary teams. Design strategies that promote clinical outcomes, interprofessional collaboration, and cost-efficient utilization of healthcare resources.

**Prerequisites:** Admission to the DNP program.

**Terms Typically Offered:** Spring.

**NURS 610 Clinical Practicum: Infant, Child, and Adolescent2 Credits**

Application of theoretical concepts of primary care in care of infants, children, and adolescents. Integration of health assessment, pathophysiology, pharmacology, health promotion and disease prevention, and chronic and acute illness management in clinical practice as an advanced practice nurse.

**Prerequisites:** NURS 602 and NURS 620; or NURS 603 and NURS 630.

**Corequisites:** NURS 601.

**NURS 615 Clinical Practicum: Mental and Behavioral Health1 Credit**

Application of clinical assessment, diagnostic reasoning, and therapeutic management of mental and behavioral health disorders seen and managed in the primary care setting.

**Prerequisites:** Admission to the MSN or DNP program.

**Corequisites:** NURS 605.

**Terms Typically Offered:** Fall.

**NURS 620 Clinical Practicum: Adult3 Credits**

Application of theoretical concepts of primary care of families with a concentration on adult patients and the environments where adult primary care is rendered. Students are supervised by community-based clinical preceptors and course faculty in the assessment, diagnostic and laboratory evaluation, and management of families across the continuum of health and illness.

**Prerequisites:** Admission to the MSN or DNP program.

**Corequisites:** NURS 602.

**NURS 625 Statistics for Health Sciences2 Credits**

Investigation of commonly used statistical methods and procedures in health science research and practice. Management of datasets and performance of statistical tests using statistical software packages.

**Prerequisites:** Admission to the DNP program.

**Terms Typically Offered:** Fall.

**NURS 626 Clinical Epidemiology2 Credits**

Consideration of epidemiological concepts as applied to public health. Assessment of the impact of policies and programs in disease investigation. Application of statistical principles to evaluate human behavior and disease risks.

**Prerequisites:** Admission to the DNP program.

**Terms Typically Offered:** Fall.

**NURS 627 Health Systems in Advanced Nursing Practice2 Credits**

Investigation of complex healthcare systems and the roles of advanced nursing practice. Development of actual or potential interventions to solve problems within healthcare environments based on nursing ethics, evidence-based practice, and regulatory requirements.

**Prerequisites:** Admission to the DNP program.

**Terms Typically Offered:** Fall.

**NURS 628 Data Management and Finance for Health Systems2 Credits**

Principles of financial planning, ethical decision-making, and management in healthcare systems. Strategies to manage sustainability, limited resources, and the care of complex patient populations will be explored.

**Prerequisites:** Admission to the DNP program.

**Terms Typically Offered:** Fall.



**NURS 630 Clinical Practicum: Older Person3 Credits**

Operationalization of theoretical concepts in primary care for older adults. Integration of health assessment, pathophysiology, pharmacology, health promotion and disease prevention, and chronic and acute illness management in the care of older persons as an advanced practice registered nurse.

**Prerequisites:** NURS 525, NURS 526, NURS 527, and NURS 577.

**Corequisites:** NURS 603.

**Terms Typically Offered:** Spring.

**NURS 635 Advanced Health Promotion and Disease Prevention2 Credits**

Adaptation of theoretical frameworks in planning, implementing, and evaluating health promotion and disease prevention at the aggregate level. Consideration of cultural variations, vulnerabilities, human and material resources, and ethics.

**Prerequisites:** Admission to the DNP program.

**Terms Typically Offered:** Fall.

**NURS 636 Environmental Health for Underserved Populations2 Credits**

Appraisal of concepts and recommendations for system changes to address specific environmental hazards that affect the health of individuals and populations.

**Prerequisites:** Admission to the DNP program.

**Terms Typically Offered:** Spring.

**NURS 640 Clinical Practicum Capstone: Primary Care of Rural and Underserved Populations3 Credits**

Application of theoretical concepts of primary care across the lifespan with particular emphasis on rural and/or underserved populations. Explores unique aspects of the advanced practice nursing role as a primary care provider in rural and underserved populations in health care.

**Prerequisites:** NURS 602 and NURS 620; or NURS 603 and NURS 630.

**Corequisites:** NURS 604

**NURS 645 Contemporary Issues: Rural and Underserved2 Credits**

Investigation into the unique healthcare challenges facing rural and underserved populations. Consideration of modifications required to the structures and processes of healthcare delivery systems to address health disparities.

**Prerequisites:** Admission to the DNP program.

**Terms Typically Offered:** Spring.

**NURS 650 Clinical Preceptorship I3 Credits**

Integration of preceding clinical and didactic course knowledge and skills. Experience in the role of advanced nursing practice with an approved preceptor/mentor.

**Prerequisites:** Acceptance to the DNP program and NURS 660.

**Corequisites:** NURS 750.

**Terms Typically Offered:** Fall.

**NURS 652 Clinical Preceptorship II3 Credits**

Continued synthesis of preceding clinical and didactic course knowledge and skills. Experience in the role of advanced nursing practice with an approved preceptor/mentor.

**Prerequisites:** NURS 650.

**Corequisites:** NURS 760.

**Terms Typically Offered:** Spring.

**NURS 660 Doctor of Nursing Practice Scholarly Project: Identification2 Credits**

Concepts of leadership and autonomy for the Doctor of Nursing Practice. Needs assessment for identification of a gap in clinical practice and project problem are formalized. Professional practice and collaboration are demonstrated.

**Prerequisites:** Admission to the DNP program.

**Terms Typically Offered:** Spring.

**NURS 697 Clinical Practicum: Advanced Healthcare Leadership1-3 Credits**

Operationalization of theory, frameworks, and concepts to clinical leadership experiences. Emphasis on leadership strategies, communication, and an advanced leadership role in the clinical healthcare setting.

**Prerequisites:** Admission to the DNP program.

**Terms Typically Offered:** Summer.

Course may be taken multiple times up to maximum of 6 credit hours.

**NURS 700 Translational Evidence-Based Practice2 Credits**

Strategies to incorporate research findings into the clinical setting. Critical appraisal of the evidence in guiding patients or systems in improvement or implementation. Translation of evidence-based methods to establish the association between observed outcomes and intervention. Criteria for causal inferences, legal and ethical issues, associations between risk factors and disease outcomes will be explored.

**Prerequisites:** Admission to the MSN or DNP program.

**NURS 704 Advanced Health Policy and Ethics2 Credits**

Estimation of the impact of health policies on the delivery of health care systems. Justification of health care policy, cultural, sociopolitical, and legal statutes on the local, national, and/or global level. Policy solutions for ethical health care dilemmas will be created.

**Prerequisites:** Admission to the DNP program.

**Terms Typically Offered:** Spring.

**NURS 705 Advanced Quality Improvement and Leadership3 Credits**

Facilitation of outcomes-based quality assessment and improvement. Management of quality improvement implementation, integrating quality of care, customer satisfaction, and safety to create a culture of best practices and standards.

**Prerequisites:** Admission to the DNP program.

**Terms Typically Offered:** Spring.

**NURS 725 Doctor of Nursing Practice Scholarly Project: Development2 Credits**

Synthesis of available knowledge and literature in development and refinement of the scholarly project purpose. Nature and significance of the problem are constructed in a logical sequence to support the purpose.

**Prerequisites:** NURS 660.

**Terms Typically Offered:** Fall.

**NURS 750 Doctor of Nursing Practice Scholarly Project: Design and Defend3 Credits**

Final development of scholarly project proposal that demonstrates synthesis of doctoral work. Emphasis on evidence-based practice models and methods, culminating with a proposal defense to improve practice or patient outcomes.

**Prerequisites:** Admission to DNP program.

**Terms Typically Offered:** Fall.

**NURS 760 Doctor of Nursing Practice Scholarly Project: Implementation and Evaluation3 Credits**

Culmination of scholarly project, including translation of evidence to address a gap in practice or to inform clinical practice at an individual or aggregate level. Implementation and evaluation of improvements in practice and outcomes of care. Project follows a systematic process and lays the groundwork for future scholarship.

**Prerequisites:** NURS 750.

**NURS 795 Independent Study1-3 Credits**

Course may be taken multiple times up to maximum of 6 credit hours.