

Nuclear Medicine Technology

NMT 140

Nuclear Medicine Technology I

An introduction to nuclear medicine technology, the applied science mathematics of radionuclides, and radionuclide skeletal and pulmonary imaging procedures are studied. Lecture: 3 hours; Laboratory: 12 hours. Prereq: Admission to NMT program, CPR certification, BSL 110, BSL 111, MA 109. Concurrent: CHE 104 and computer literacy course.
5 credit hours Lecture

NMT 150

Nuclear Medicine Technology II

Nuclear medicine instrumentation, quality control, radiation safety, and radionuclide imaging procedures of the central nervous system, gastrointestinal system, and genitourinary system are studied. Lecture: 3 hours; Laboratory: 12 hours. Prereq: NMT 140 and computer literacy course. Concurrent: CHE 106 and PH 171.
5 credit hours Lecture

NMT 230

Nuclear Medicine Technology III

Methods and operations of the radiopharmacy and radionuclide cardiovascular imaging procedures are included in this course. Lecture: 9 hours; Laboratory: 30 hours. Prereq: NMT 150.
6 credit hours Lecture

NMT 240

Nuclear Medicine Technology IV

Radionuclide organ concentration and excretion studies and hematologic measurements, the therapeutic use of radionuclides, and radionuclide imaging procedures for oncologic/inflammatory processes and the endocrine system are studied. Lecture: 3 hours; Laboratory: 24 hours. Prereq: NMT 230.
7 credit hours Lecture

NMT 280

Nuclear Medicine Technology V

The biological effects of radiation, radioassay techniques, and uncommonly performed imaging procedures are included in this course. Lecture: 3 hours; Laboratory: 30 hours. Prereq: NMT 240.
8 credit hours Lecture

Nursing

MNA 100

Medicaid Nurse Aide

This course is designed to provide knowledge and skills for nurse aides to assume the role and responsibility required in long term care. The focus of this course is communication, infection control, safety, residents' rights, and basic nursing skills. Prerequisites: None

2 - 4 credit hours Lecture

MNA 101

MOI for Medicaid Nurse Aide Instructors

This course provides training for nurses who are occupationally competent, but who have no formal training in educational methodology. Prerequisites: Persons enrolling for this course must meet other requirements outlined by Medicaid Services.

1 credit hours Lecture

NPN 100

Introduction to Nursing & Health Care System

Historical overview of current health care including medical economics, ethical and legal parameters, roles and responsibilities of health care team members with an emphasis on reflective nursing practice. Medical terminology, therapeutic communication techniques, concepts of health, health assessment, self care and basic needs related to activities of daily living (ADL) across the lifespan are explored. Prerequisites: Current CPR card for Health Care Providers; Current certification must be maintained throughout the program. Active status on the Kentucky Medicaid Nurse Aide Registry or successful completion of an equivalent nursing course. Admission into Practical Nursing Program. (PY 110 & BSL 110 if that option chosen. Must achieve a grade of "C" or higher.)Co-requisites: NPN 105, NPN 110, HEA 100 or PSY 223, HEA 110 or BSL 107 or BSL 111, HEA 130 or BSL 212.

2 credit hours Lecture

NPN 105

Development of Care Giver Role

Introduction to nursing and the nursing process as related to client activities of daily living across the life span; opportunity to develop and practice psychomotor skills related to health assessment, promotion, maintenance and illness prevention. Prerequisites: Current CPR card for Health Care Providers; Current certification must be maintained throughout the program. Active status on the Kentucky Medicaid Nurse Aide Registry or successful completion of an equivalent nursing course. Admission into Practical Nursing Program. (PY 110 & BSL 110 if that option chosen. Must achieve a grade of "C" or higher.)Co-requisites: NPN 100, NPN 110, HEA 100 or PSY 223, HEA 110 or BSL 107 or BSL 111, HEA 130 or BSL 212.

6 credit hours Lecture

NPN 110

Pharmacological & Other Therapeutic Modalities

Introduction to techniques used to administer commonly used drugs; dosage calculations; diagnostic studies and other related medical therapies; legal responsibilities. Prerequisites: Current CPR card for Health Care Providers; Current certification must be maintained throughout the program. Active status on the Kentucky Medicaid Nurse Aide Registry or successful completion of an equivalent nursing course. Admission into Practical Nursing Program. (PY 110 & BSL 110 if that

option chosen. Must achieve a grade of "C" or higher.)Co-requisites: NPN 100, NPN 105, HEA 100 or PSY 223, HEA 110 or BSL 107 or BSL 111, HEA 130 or BSL 212.

2 credit hours Lecture

NPN 120

Child Bearing Family

Application of nursing process with the childbearing families focusing on health promotion as well as common health alterations in the reproductive process. Co-requisites: NPN 125, 130, 135. Prerequisites: NPN 100, 105, 110, HEA 110 or BSL 107 or BSL 110 & 111, HEA 100 or PY 110 & PSY 223, and HEA 130 or BSL 212.

3 credit hours Lecture

NPN 125

Mental Health

Development and application of nursing process to clients experiencing common mental health problems. Emphasis on assisting clients to cope with psychological problems throughout the life span - i.e. chemical dependency, violence and other stress and developmental problems related to mental health. Co-requisites: NPN 120, 130, 135. Prerequisites: NPN 100, 105, 110, HEA 110 or BSL 107 or BSL 110 & 111; HEA 100 or PY 110 & PSY 223; HEA 130 or BSL 212; (Must have a grade of "C" or higher in all courses.)

3 credit hours Lecture

NPN 130

Pharmacology II

Study of common drugs by classification and effects with emphasis on responsibility, accountability and application of the nursing process to drug therapy. Co-requisites: NPN 120, 125, 135. Prerequisites: NPN 100, 105, 110; HEA 110 or BSL 107 or BSL 110 & 111; HEA 100 or PY 110 & PSY 223; and HEA 130 or BSL 212; (Must have a grade of "C" or higher in all courses.)

3 credit hours Lecture

NPN 135

Introduction to Health Deviations

Application of the nursing process for selected child/adult clients experiencing common health deviations interfering with activities of daily living. Emphasis is on nurse as provider of care. Prerequisites: NPN 100, 105, 110; HEA 110 or BSL 107 or BSL 110 & 111; HEA 100 or PY 110 & PSY 223; and HEA 130 or BSL 212; (Must have a grade of "C" or higher in all courses.) Co-Requisites: NPN 120, 125, 130.

6 credit hours Lecture

NPN 200

Med/Surg I

Application of the nursing process for selected child/adult clients experiencing common health deviations. Emphasis is on nurse as provider of care. Co-requisites: NPN 205, 215. Prerequisites: NPN 120, 125, 130, 135 (Must have a grade of "C" or higher in each course.)

5 credit hours Lecture

NPN 205

Med/Surg II

This course is designed to apply the nursing process to child/adult clients experiencing more complex health alterations. The focus is on multi-system failure, neurological problems, and cellular deviation. A program summative nationally-normed test, the NLN Comprehensive Assessment, is required for successful completion of this course. Successful is defined as a 75% percentage likelihood of passing NCLEX-PN. A

student may repeat the examination one time after remediation. Co-requisites: NPN 200, 215. Prerequisites: NPN 120, 125, 130, 135 (Must have a grade of "C" or higher in each course.)

5 credit hours Lecture

NPN 210

Clinical Practicum

The clinical lab experience is designed to integrate the theoretical concepts learned throughout the program, and to apply this knowledge during the direct care of clients. Critical thinking and problem solving skills are used during the nursing role performances of provider of care, manager of care, and member within the discipline. Prerequisites: NPN 120, 125, 130, 135 with a grade of "C" or greater; Or currently enrolled in NPN 200, 205, 215 (If Prerequisite, must achieve a grade of "C" or greater).

4 credit hours Lecture

NPN 215

Nursing Trends & Issues

This course is designed to prepare the student for the role of the practical nurse. Includes information on preparing and studying for the NCLEX-PN exam. Prerequisites: NPN 120, 125, 130, 135 (Must have a grade of "C" or higher in each course; Co-requisites: NPN 200, 205; 210.

1 credit hours Lecture

NRS 101

Nursing Care I

Establishes the foundation for competency based nursing practice by introducing beginning concepts and skills that are built upon in the nursing curriculum. Introduces the nursing process, the roles of nursing, and the art and science of communication, critical thinking, caring, accountability, collaboration, client teaching, and managing client care as core components of nursing practice. Applies problem-solving and critical thinking skills in the care of clients across the life span and of diverse cultures with actual or the potential for health alterations due to common acute and chronic health problems. Includes care of clients during the childbearing cycle focusing on health promotion as well as common health alterations in the reproductive process. Nursing process is applied to meet basic human needs of clients at the practical nursing level. Lecture: 5 hours. Laboratory: 12 hours. Prerequisites: Admission to the Nursing Program; Proof of active status on Kentucky Medicaid Nurse Aide Registry or successful completion of an equivalent nursing course; BSL 110 and MAH 151 or MA 109, or MT 109 or higher mathematics course with a grade of "C" or better; PY 110 or PSY 100. BSL 111 with a grade of "C" or better or concurrent; PSY 223 or concurrent.

9 credit hours Lecture

NRS 102

Nursing Care II

Application of problem-solving and critical thinking skills in the care of clients across the life span and of diverse cultures with actual or the potential for alterations in health due to common acute and chronic health problems. Emphasizes reestablishing and maintaining the highest level of health/wellness possible. Communication, critical thinking, caring, accountability, and management care skills are strengthened while higher level skills are introduced. Includes transition from student role to LPN practice by preparing students for the NCLEX-PN and 80 hours of concentrated clinical experience. Lecture: 5 hours. Laboratory: 10 hours. Prerequisites: NRS 101 and BSL 111 with letter grade of C or better. Prior to or concurrent ENG 101, computer literacy, oral communications course.

10 credit hours Lecture

NSG 101 Nursing Practice I

Nursing practice is studied using functional health patterns within the context of the contemporary health care delivery system. Areas of emphasis include foundation knowledge of nursing practice, skills acquisition, and the care of clients with health perception-health management, value-belief, and rest-sleep dysfunctional health patterns. Lecture: 5 hours, Laboratory: 12 hours. Prerequisites: Admission to the Associate Degree Nursing Program, BSL 110 and MAH 151 or MA 109 or MT 109 or higher with a grade of "C" or better, PY 110 or PSY 100. Prior to or concurrent: ENG 101, BSL 111 with a grade of "C" or better, Computer Literacy.

9 credit hours Lecture

NSG 126 Pharmacology in Nursing

This is an elective course which studies common drugs, their classification, and their effects on functional and dysfunctional health patterns. Areas of emphasis include nursing responsibility, accountability, and application of the nursing process regarding drug therapy. Lecture: 3 hours.

3 credit hours Lecture

NSG 198 Accelerated LPN to ADN Bridge Course

This is an accelerated course designed for the LPN/LVN who demonstrates through competency assessment the ability to build upon previous learning and experience. This course focuses on the beginning transition to the RN role, the acquisition of essential skills, the development of critical thinking in the care of clients experiencing the dysfunctional health patterns of health perception-health management, value-belief, rest-sleep, activity-exercise, and nutritional-metabolic. Upon successful completion of all components of the course, the student will be admitted to NSG 203 and will have earned by advanced standing, a total of 18 units min. / in nursing. Lecture: 2 hours, Laboratory: 3 hours. Prerequisites: Admission to the Associate Degree Nursing Program, BSL 110, BSL 111, and MA 109 or MT 109 or MAH 151 or higher with a grade of "C" or better, PY 110, ENG 101, Computer Literacy, and a passing score on a nationally normed PN-RN Mobility Examination.

3 credit hours Lecture

NSG 201 LPN to ADN Bridge

This course will build upon the basic nursing skills and concepts learned in the LVN/LPN experience. The course is designed to assist the Practical Nurse to make the beginning transition to the RN role. Areas of study include the role of the Associate Degree Nurse and application of the core components of nursing practice to clients experiencing the dysfunctional health patterns of health perception-health management, value-belief, rest-sleep, activity-exercise and nutritional-metabolic. Upon successful completion of all components of the course, the student will be admitted to NSG 203 and will have earned by advanced standing, 18 units min. / in nursing. Lecture: 4 hours, Laboratory: 3 hours. Prerequisites: BSL 110, BSL 111, MA 109 or MT 109 or MAH 151 or higher with a grade of "C" or better, PY 110, ENG 101, Computer Literacy.

5 - 7 credit hours Lecture

NSG 202 Nursing Practice II

Areas of study include the application of the core components of nursing to adult clients experiencing dysfunctional health patterns. Emphasis is on the care of clients with activity-exercise and nutritional-metabolic dysfunctional health patterns. Lecture: 5 hours; Laboratory: 12 hours. Pre-requisites: NSG 101 and BSL 111 with a grade of "C" or better, computer literacy, and ENG 101.

9 credit hours Lecture

NSG 203 Nursing Practice III

Areas of study include the application of the core components of nursing to adult clients experiencing dysfunctional health patterns. Emphasis is on the care of clients with elimination, cognitive-perceptual, self-perception, self-concept, role-relationship, coping-stress-tolerance dysfunctional health patterns. Lecture: 5 credits. Laboratory: 4 credits (45:1 ratio). Prerequisites: (NSG 202 or NSG 198 or NSG 201 with a grade of "C" or better); oral communication, and PSY 223.

9 credit hours Lecture

NSG 204 Family Nursing

Focuses on the synthesis and application of the core components of nursing in the transition from student to graduate nurse. Emphasis is on leadership, management of care, skill development and professionalism. Lecture 4 credits. Laboratory 4 credits. Prerequisites: (NSG 203 and BSL 212 with a grade of "C" or better) and ENG 102. Co-requisite: NSG 205.

8 credit hours Lecture

NSG 205 Transition to Professional Practice

Focuses on the synthesis and application of the core components of nursing in the transition from student to graduate nurse. Emphasis is on leadership, management of care, skill development and professionalism. Clinical: 3 credits. Prerequisites: (NSG 203 and NSG 204 and BSL 112 with a minimum grade of "C" in each course) and ENG 102. Co-requisite: NSG 204

3 credit hours Clinical

NSG 255 Nursing V

Areas of study include the application of the nursing process as it relates to health promotion and care of child/adult clients experiencing interferences with the ability to meet selected basic human needs. Emphasis is on the nurse as a provider of care. Credit not available by special examination. Lecture: 5 hours; Laboratory: 12 hours. Prereq: Satisfactory completion of courses required by the first year nursing curriculum as specified by each community college; satisfactory completion being 'C' or above in each nursing course; BSL 212 prior to or concurrent; at least a 2.0 cumulative grade-point average.

9 credit hours Lecture

NSG 265 Nursing VI

Course content will focus on the application of the nursing process as it relates to health promotion and care of child/adult clients experiencing interferences with the ability to meet selected basic human needs. Areas of emphasis include the nurse as a provider and manager of care as well as a member of the discipline. Credit not available by examination. Lecture: 5 hours; Laboratory: 12 hours. Prereq: Satisfactory completion of NSG 255 and BSL 212 with grade of 'C' or above; at least a 2.0 cumulative grade point average.

9 credit hours Lecture

NSG 270 Genetic Disorders

Introduction to various genetic disorders which health care workers are likely to see during their careers. Specific areas of study include basic genetic concepts, inheritance modalities, genetic disorders, and their direct impact on nursing care. Follows up on information obtained in Anatomy and Physiology, high school science, and basic biology classes presently offered by KCTCS. Prerequisites: None.

3 credit hours Lecture

NSG 299 Selected Topics in Nursing: (Topic)

Various nursing topics, issues, and trends will be addressed. Topics may vary from semester to semester at the discretion of the instructors; courses may be repeated with different topics to a maximum of six units min. / . Lecture: Varies by topic; Laboratory: Varies by topic. Prereq: Consent of instructor.

1 - 4 credit hours Lecture