



Knox Technical Center – Nursing Programs

Practical Nursing Program Course Descriptions

JUMP101 JUMP START INTRODUCTION TO COLLEGE: This course gives students the opportunity to reflect on their past learning, apply what they've learned to new situations, evaluate current choices and decisions, and create strategies and plans for the academic success. All topics, target skills, activities, and assessments are designed to support and promote student empowerment, informed decision-making, academic and life skill development, and individual accountability. Course provides an introduction to the college setting and develops the competencies necessary to be a successful college student. Students learn strategies for success like goal setting, time management, test taking, self-assessment as a learner, and critical thinking. Prerequisites: None

BIO100 ANATOMY AND PHYSIOLOGY I: Anatomy & Physiology I includes basic anatomical and directional terminology; fundamental concepts and principles of cell biology; histology; the integumentary, skeletal, and muscular systems. Laboratory experiences include both hands-on study of anatomical models and simple physiology experiments. Prerequisites: Admission to the Practical Nursing program.

BIO101 ANATOMY AND PHYSIOLOGY II: Anatomy & Physiology II includes cellular neurobiology, the nervous, endocrine and cardiovascular systems. Laboratory experiences include both hands-on study of anatomical models and simple physiology experiments. Prerequisites: BIO100

NUR100 INTRODUCTION TO PHARMACOLOGY: This course will provide an introductory examination of pharmacology and expand knowledge base of a variety of drugs and interactions. Pharmacological actions and responsibility of handling and dispensing medications will be discussed. A prior knowledge of Medical Terminology is highly recommended. Focuses on the basic drug classification, concepts and principles of pharmacology with special consideration for the nursing role in developing a comprehensive approach to the clinical application of drug therapy through the use of the nursing process. Nursing implications relative to the utilization of drug therapy are examined. Dosage calculations are evaluated for competency. Prerequisites: Admission to the Practical Nursing program.

NUR110 FUNDAMENTALS OF NURSING: This course focuses on fundamental concepts necessary for safe, patient-centered nursing care for a diverse patient population with well-defined healthcare concerns, with an introduction to the legal and ethical responsibilities of the Practical Nurse. This course introduces the use of clinical judgment applied to nursing, the nursing process, cultural diversity, and communication techniques used when interacting with patients, families, other support persons, and members of the inter-professional team. Other program concepts such as evidence-based care, teamwork/collaboration, and information technology are also introduced. Selected nursing skills are taught in the skills laboratory with opportunities to apply fundamental concepts to basic nursing skills. Prerequisites: Admission to the Practical Nursing program.

NUR120 FOUNDATIONS OF MEDICAL SURGICAL NURSING I: This course incorporates and builds on the concepts introduced in the first two terms and provides for the acquisition and application of basic nursing theory, communication, collaboration, and clinical judgment necessary for safe, patient-centered nursing care to diverse adult patients experiencing various medical/surgical interventions. The course incorporates the legal and ethical responsibilities of the Practical Nurse in the care of adult patients with common health problems. Application of knowledge and skills occurs in a variety of clinical settings. Prerequisites: BIO100, BIO101, NUR100, NUR110

NUR125 INTRAVENOUS THERAPY AND PHLEBOTOMY: This course offers the theoretical basis for intravenous therapy administered by the Practical Nurse. Hands-on learning and practice is accomplished in the skills laboratory. Supervised clinical practice of the skills of intravenous therapy learned in the



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course is provided in concurrent and subsequent clinical nursing courses. Prerequisites: BIO100, BIO101, NUR100, NUR110

NUR130 FOUNDATIONS OF BEHAVIORAL HEALTH NURSING: This theory course incorporates and builds on previously learned concepts for the acquisition and application of basic nursing theory, communication, collaboration, and clinical judgment necessary for safe, patient-centered nursing care to diverse patients needing various levels of mental health promotion and mental illness management while integrating legal and ethical responsibilities of the Practical Nurse. Prerequisites: BIO100, BIO101, NUR100, NUR110

NUR140 FOUNDATIONS OF MEDICAL SURGICAL NURSING II: This course is a continuation of Concepts of Adult Health Nursing for the Practical Nurse I, and provides for the acquisition and application of basic nursing theory, communication, collaboration, and clinical judgment necessary for safe, patient-centered nursing care to diverse adult patients experiencing various medical/surgical interventions. The course incorporates the legal and ethical responsibilities of the Practical Nurse in the care of adult patients with common health problems. Application of knowledge and skills occurs in a variety of clinical settings. Prerequisites: NUR120, NUR125, NUR130

NUR150 FOUNDATIONS OF OBSTETRIC NURSING: This course incorporates and builds on previously learned concepts for the acquisition and application of basic nursing theory, communication, collaboration, and clinical judgment necessary for safe, patient-centered nursing care to diverse families during childbearing and to children with a focus on growth and development. The course incorporates the legal and ethical responsibilities of the Practical Nurse in the care of the childbearing family and children. Application of knowledge and skills occurs in the nursing skills and simulation laboratory. Prerequisites: NUR120, NUR125, NUR130

NUR160 FOUNDATIONS OF PEDIATRIC NURSING: This is a traditional in class nursing course. The student applies knowledge and the nursing process in caring for the pediatric population in a variety of settings. This course focuses on children's health issues within the context of family dynamics. Prerequisites: NUR120, NUR125, NUR130

NUR190 TRANSITION TO THE ROLE OF A PRACTICAL NURSE: This advanced, comprehensive course provides a synthesis of all concepts and nursing content taught throughout the program. This course enables the individual student to recognize areas that need enhancement prior to entering Practical Nursing practice. This course includes a review for the NCLEX-PN® and strategies for success and a preceptorship experience. Prerequisites: NUR120, NUR125, NUR130