



## Course Information

Division	Health Sciences
Contact Hours	8
Theory	80
Lab Hours	40
Total Credits	6

## Prerequisites

RDG 090 and ENGL 090 and MATH 090 or qualifying scores on ACT or COMPASS tests

## Course Description

The purpose of this class is to promote quality phlebotomy standards and prepare students to work within the health care community as phlebotomy technicians. Instruction includes: safety and quality control, basic anatomy and physiology as it pertains to phlebotomy, specimen collection, phlebotomy techniques, laboratory tests, processing and transporting laboratory specimens, laboratory mathematics, computer skills, medical terminology, communication skills, and personal wellness. The student must be 18 years old.

## Course Outcomes

In order to evidence success in this course, students will be able to:

1. Identify/Recognize:
  - a. Approved "Standard of Care"
  - b. The health care delivery system and health care providers' roles and educational background
  - c. Medical facility safety procedures and OSHA regulations
  - d. Infectious control / standard precautions measures including isolation techniques and care of biohazardous specimens and equipment
  - e. Common medical terminology and abbreviations
  - f. The basic anatomy and functions of each body system
  - g. Circulatory, lymphatic, and Immune Systems anatomy and functions
  - h. The anatomy of acceptable blood drawing areas
  - i. Various types of laboratory procedures, equipment, and test requirements
  - j. Clean and aseptic procedures
  - k. Proper techniques for obtaining blood through venipunctures and dermal punctures to assure the integrity of the specimens and patient's well-being.
  - l. Special considerations and procedures for "special populations"
  - m. Cognitive, psychological, and physiological assessment of patients
  - n. Proper identification of patient and labeling of specimens
  - o. Various requisition forms and computer functions
  - p. Common laboratory tests
  - q. Proper transporting, handling, and processing of laboratory specimens
  - r. Point-of-care testing methods; glucose, bleeding time, hematocrit, urinalysis, and fecal occult blood testing
  - s. Technology skills in the laboratory setting
  - t. Solutions to problems / accidents during specimen procurement
  - u. Appropriate, effective communication with patients, peers, staff, and faculty.
  - v. Laboratory math: Metric system conversions, military time, temperature conversions, Roman Numerals. dilutions, percent, and blood volume calculations
  - w. HIPAA regulations



2. Feel, Think, Believe, and Practice:
  - a. The value of maintaining patient confidentiality
  - b. The primary purpose of providing your service is the care, safety and well-being of the patient
  - c. Compassion, empathy, and sensitivity to all clients
  - d. Be non-discriminatory
  - e. Professional detachment and coping skills
  - f. Personal Wellness
3. Demonstrate:
  - a. Approved "Standard of Care" at all times
  - b. Strict observation of safety policies and OSHA regulations
  - c. Consistent application of standard precautions and infection control measures
  - d. Safe use and disposal of all equipment and supplies used in specimen procurement
  - e. Correct identification of the patient
  - f. Obtain consent
  - g. Fill out all pertinent laboratory forms and requisitions
  - h. Assessment of the patient's cognitive, psychological and physiological state
  - i. Preparation of the patient and lab equipment
  - j. Clean and/or aseptic cleaning of blood drawing site
  - k. Correct procedure for a finger dermal puncture and venipunctures
  - l. Proper methods to find difficult veins
  - m. Correct selection and usage of equipment consistent with patient's needs; medical and psychological condition and patient's age
  - n. Correct use of tourniquet and other blood drawing equipment, including time constraints
  - o. Performance of a venipuncture at a 30° angle or less
  - p. Methods for maintaining the integrity of the specimens
  - q. Promote the comfort and safety of the patient throughout the blood drawing process
  - r. Safe methods for relocating a vein if missed on first attempt
  - s. Correct labeling, handling, transporting, and processing of all specimens to meet established guidelines.
  - t. Check and give proper wound care and instruction
  - u. Emergency procedures for syncope, seizures, and excessive bleeding
  - v. Accuracy in drawing timed tests on schedule
  - w. Making blood smears/slides.
  - x. Centrifugation and aliquot preparation
  - y. Maintaining specimen integrity
  - z. Problem solving skills
  - aa. Professionalism in appearance and conduct
  - bb. Appropriate and effective interpersonal communication skills
  - cc. Laboratory math competency