

**PCT 102 Patient Care Technician II**

**Credit Hours:** 6 HRS

**Scheduled hours per week**

Lecture: 3 HRS

Lab: 3 HRS (9 contact hours per week)

Other:

**Catalog Course Description:** This course is designed to expand upon the role of the Patient Care Technician as a phlebotomist and ECG technician. The student will be introduced to the knowledge and skills required to prepare and monitor clients when performing venipuncture and ECGs safely. This course includes classroom instruction, campus laboratory skills practice, and clinical laboratory rotations to community health care agencies.

**Pre-requisites:** Completion of PCTA I, HPER 172, and BIOL 109/109L with grade of "C" or higher

**Co-requisites:** BTEC 253, PSYC 101, ENGL 101

**Course Learning Outcomes:**

1. Apply the knowledge and skills required to perform the skills within the role of a phlebotomist and ECG technician.
2. Demonstrate knowledge of infection control and safety when performing venipuncture, ECG administrations and monitoring.
3. Comply with the legal regulations and the ethical and professional standards when performing patient care within the role of a phlebotomist and ECG technician.
4. Incorporate verbal and nonverbal communication effectively and appropriately in interactions with clients and the health care team while performing in the role of the phlebotomist and ECG technician.

**Topics to be studied:**

- Role of the Phlebotomist and ECG Technician in Healthcare
- Certification/Licensure/Continuing Education Requirements
- Communication Skills, Public Relations and Client Interactions
- Clinical Laboratory Services/Personnel
- Quality Assurance/Quality Control in Phlebotomy
- Specimen Requisition, Labeling, Transport, Processing
- Specimen Collection and Specimen Integrity
- General Blood Collection Equipment, Additives, and Supplies
- Insertion and Removal Techniques for Venipuncture
- Selection of Sites
- Pediatric Venipuncture
- Geriatric Venipuncture
- Capillary Collection
- Patient Complications and Concerns
- Procedural Error Risks
- Specimen Quality Concerns
- Special Collections: Peripheral Blood Smears, Blood Cultures, Blood Donations
- EKG Equipment and Work Environment

- Client preparation and electrode placement for 3-lead, 5-lead, and 12-lead EKG Monitoring
- EKG Tracings and Waveforms
- Holter Monitoring, Stress Testing, and Telemetry Monitoring
- Special Population Considerations – pediatrics, anatomical
- Recognition of Cardiopulmonary Compromise and Complications During Testing
- Arrhythmias
- Documentation and Reporting of Specimens and EKG Reports

**Relationship of Course to Program or Discipline Learning Outcomes:**

The Course Learning Outcomes for PCT 102 are congruent with, and derived from, the four (4) program outcomes.

<b>Program Student Learning Outcomes</b>	<b>PCT 101 Course Student Learning Outcomes</b>
Apply the knowledge and skills to safely perform patient care within the scope of practice of the designated role within the health care team.	Apply the knowledge and skills to provide individualized basic nursing care to a diverse population of clients in multiple patient care settings.
Utilize effective communication techniques and proper medical terminology when interacting with a diverse patient population and other members of the health care team.	Communicate (verbally and nonverbally) effectively and appropriately in interactions with clients and as a member of the health care team.
Demonstrate infection control practices per Centers for Disease Control and Prevention (CDC), Occupational Safety and Health Administration (OSHA), and facility guidelines when providing patient care within the designated role.	Demonstrate knowledge of infection control and safety while performing basic nursing care within the role of the PCT.
Comply with legal, ethical, and professional standards within the designated role when performing patient care.	Demonstrate knowledge of the health care delivery system and the legal, ethical, and professional standards within the role of the PCT.

<b>Relationship of Course to General Education Learning Outcomes:</b>	
<b>Composition and Rhetoric</b> Students illustrate a fundamental understanding of the best practices of communicating in English and meet the writing standards of their college or program-based communication requirements.	X
<b>Science &amp; Technology</b> Students successfully apply systematic methods of analysis to the natural and physical world, understand scientific knowledge as empirical, and refer to data as a basis for conclusions.	X
<b>Mathematics &amp; Quantitative Skills</b> Students effectively use quantitative techniques and the practical application of numerical, symbolic, or spatial concepts.	X
<b>Society, Diversity, &amp; Connections</b> Students demonstrate understanding of and a logical ability to successfully analyze human behavior, societal and political organization, or communication.	X
<b>Human Inquiry &amp; the Past</b> Students interpret historical events or philosophical perspectives by identifying patterns, applying analytical reasoning, employing methods of critical inquiry, or expanding problem-solving skills.	X
<b>The Arts &amp; Creativity</b> Students successfully articulate and apply methods and principles of critical and creative inquiry to the production or analysis of works of art.	
<b>5/3/2016</b>	

**Special requirements of the course:**

- Rotations to community health care agencies to perform the basic nursing skills of a PCT, phlebotomist, and ECG technician.
- For successful completion of the course, the student must satisfactorily meet the learning objectives of the classroom, campus laboratory, and clinical laboratory portions of the course.
- Patient Care Technician Certification Exam

**Additional information:**

- Physical examination with required immunizations or waiver as indicated
- Current Health Care Provider CPR Certification, the American Heart Association Health Care Provider (with use of AED)
- Criminal Background Check
- Randomized, mandatory drug screening without notice
- Computer and internet access is required
- Travel required to area clinical settings
- Required education as determined by the faculty and affiliate health care agencies

**Prepared by:** Rose Beebe, EdD, MS, RN

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