



COURSE OUTLINE

Course Number PBT102	Course Title Phlebotomy Practicum	Credits 2
Hours: Lecture/Lab/Other (0/0/100)	Pre-requisite PBT101	Implementation Semester & Year Spring 2023

Catalog description:

This course provides supervised experience in the performance of venipuncture and microcollection techniques in a clinical facility. Emphasis is placed on patient interaction and application of universal precautions, proper collection techniques, special procedures, specimen handling, and data management. Upon completion, students should be able to safely perform procedures necessary for specimen collections on patients in various health care settings.

General Education Category:
Not GenEd

Course coordinator: Lisa Shave 609-570-3387 shavel@mccc.edu

Required texts & Other materials:

None

Course Student Learning Outcomes (SLO):

Upon successful completion of this course the student will be able to:

1. Apply legal and regulatory standards, implement infection control, and safety techniques (including appropriate use of equipment), in a clinical setting. (ILG9)
2. Demonstrate proper phlebotomy draw techniques from preparation to specimen handling, and specify special testing and processing requirements. (ILG 3, 11)
3. Prepare accurate, legal, and ethical documentation. (ILG 9, 10)
4. Provide proper instruction to patients in all situations using professional communication. (ILG 1, 4, 8, 11)
5. Display professional, ethical, and safe behaviors. (ILG 9, 11)

Course-specific Institutional Learning Goals (ILG):

Institutional Learning Goal 1. Written and Oral Communication in English. Students will communicate effectively in both speech and writing.

Institutional Learning Goal 3. Science. Students will use the scientific method of inquiry, through the acquisition of scientific knowledge.

Institutional Learning Goal 4. Technology. Students will use computer systems or other appropriate forms of technology to achieve educational and personal goals.

Institutional Learning Goal 5. Social Science. Students will use social science theories and concepts to analyze human behavior and social and political institutions and to act as responsible citizens.

Institutional Learning Goal 8. Diversity and Global Perspective: Students will understand the importance of a global perspective and culturally diverse peoples

Institutional Learning Goal 9. Ethical Reasoning and Action. Students will understand ethical frameworks, issues, and situations.

Institutional Learning Goal 10. Information Literacy: Students will recognize when information is needed and have the knowledge and skills to locate, evaluate, and effectively use information for college level work.

Institutional Learning Goal 11. Critical Thinking: Students will use critical thinking skills understand, analyze, or apply information or solve problems.

Program Learning Outcomes for Medical Lab Assistant Certificate

1. Apply governmental standards and compliance within the laboratory setting.
2. Demonstrate professional and ethical behaviors along with interpersonal skills when communicating with patients and members of the healthcare team in the workplace.
3. Perform phlebotomy and display safety practices for infection control according to industry standards.
4. Implement quality assurance and quality control principles to specimen transport, specimen processing, and laboratory testing.
5. Prepare reagents, standards, quality control material and human blood/body fluid specimens for analysis according to industry standards.
6. Perform specimen testing using proper procedures, equipment, and techniques.
7. Apply relevant methodologies and techniques including problem solving and troubleshooting for specimen processing and testing.
8. Use a computer to enter and record data into a laboratory information system (LIS).

The Clinical Experience will assess students in all areas listed below:

- 1) Legal and Regulatory Standards
 - a) Healthcare, personnel, and patient laws
 - i) HIPAA
 - ii) OSHA
 - b) Laboratory regulation and accreditation
 - c) Compliance with standards of practice
- 2) Phlebotomy Review
 - a) Anatomy and physiology for phlebotomists
 - b) Purpose of phlebotomy
 - c) Role of the phlebotomist
- 3) Communication
 - a) Listening and feedback
 - b) Assertiveness
 - c) Communication with patients
- 4) Infection Control and Safety
 - a) Cleanliness and sterility
 - b) Infection control during all parts of the collection process
 - c) Equipment, patient and personal safety
- 5) Venipuncture Technique
 - a) Types of venipuncture, purpose, location, technique
 - b) Types and order of draws
 - c) Blood cultures
 - d) Specimen handling
 - i) Labeling
 - ii) Storage
 - iii) Transportation
- 6) Processing and testing
 - a) Handling and prep techniques
 - b) Special considerations
 - c) Allergies
- 7) Equipment use
 - a) Correct and safe use of equipment
 - b) Appropriate equipment for the procedure
 - c) Infection control
- 8) Documentation
 - a) Processing orders and making corrections legally
 - b) Legal and ethical documentation of collection, transportation and storage
 - c) Legal and ethical documentation of collection processing
- 9) Patient Education
 - a) Admission
 - b) Education throughout the collection process
 - c) Documenting communication
 - d) In-home patient collection

- 10) Behaviors
 - a) Professional
 - b) Ethical
 - c) Legal
 - d) Team
 - e) Safety

Evaluation of student learning:

Clinical checklists and evaluation sheets will be completed by the students and preceptors to ensure entry-level competencies are achieved. Students must perform a minimum of 40 unaided venipunctures for the NHA certification and 100 unaided venipunctures for the ASCP certification.

Must pass the course with a total grade of 77% (C+) or higher.

PBT Certification Exams

- American Certification Agency for Healthcare Professionals (ACA) <https://acacert.com/cpt/>
Certified Phlebotomy Technician CPT (ACA)
 - Successful completion of a formal program (e.g. phlebotomy, laboratory assistant, medical assistant, EMT, nursing, etc.) which includes didactic instruction and a minimum of 100 clinical hours. Must show documentation of at least 100 successful venipunctures and 10 skin punctures.
 - \$100.00
- American Medical Certification Association (AMCA)
Phlebotomy Technician Certification (PTC)
 - *The AMCA recommends a minimum of 30 venipunctures and 10 capillaries, upon completion of a clinical program. Louisiana must provide proof of 100 venipuncture/ 25 capillary sticks
 - \$109.00
- American Medical Technologists <https://www.americanmedtech.org/Phlebotomy-Technician>
(Phlebotomy Technician, RPT (AMT))
 - Applicant shall have graduated from, or scheduled to graduate from, an approved academic course (or combined courses) of study in phlebotomy that includes a minimum of 120 didactic clock hours (or as required by state law). Documentation of completion of a minimum of 50 successful venipunctures and 10 successful capillary punctures from human sources
 - \$120
- American Society for Clinical Pathology <https://www.ascp.org/content/board-of-certification/get-credentialed> Phlebotomy Technician, PBT (ASCP)
 - NAACLS accreditation required or 40 clock hours of classroom training, including anatomy and physiology of the circulatory system, specimen collection (including venipuncture and skin punctures), specimen processing and handling, and laboratory operations (e.g. safety, quality control, etc.) and 100 clock hours of clinical* training and orientation in an acceptable laboratory with a minimum performance of 100 successful unaided venipunctures.
 - \$135
- American Society of Phlebotomy Technicians <https://www.aspt.org/cert>
Phlebotomy Technician Certificate
 - Successful completion of an accredited phlebotomy training program; MUST have at least 25 documented successful venipunctures and 5 documented skin punctures and a current ASPT membership
 - \$90.00
- National Phlebotomy Association https://www.nationalphlebotomy.org/Certified_Phlebotomist
Certified Phlebotomist Technologist (NPA-CPT)
 - Our program must award 16.0 continuing education units or be offered as a course with at least 160 contact hours of lecture time excluding the phlebotomy practical. The training program must include at least 200 hours of practical experience either with mannequins or clinical practicum or a combination of both.
 - \$160.00
- National Healthcareer Association <https://www.nhanow.com/certifications/phlebotomy-technician>
Certified Phlebotomy Technician, CPT (NHA)
 - \$117.00 for the exam
- National Center for Competency Testing <https://www.ncctinc.com/certifications/pt>
 - \$90.00 within 6 months; \$135 after 6 month-5 years
 - Program would need to be approved by NCCT: <https://www.ncctinc.com/schools/testing-sites>