

Phlebotomy Certificate

Program Learning Outcomes (PLOs)	Measurable Student Learning Outcomes (MSLOs)- PLO Alignment	
	CLA155	CLA255
1.0 (Knowledge Level) Define the role of the clinical assistant in the healthcare delivery system as it relates to the point-of-care or clinical laboratory environment. (CSLO 2)	✓	
2.0 (Application Level) Use common medical terminology. (CSLO 2)	✓	
3.0 (Comprehension Level) Describe infection control and safety practices. (CSLO 2)	✓	✓
3.1 (Comprehension Level) Describe accepted practices for infection control, isolation techniques, aseptic techniques and methods for disease prevention. (CSLO 2)	✓	✓
3.2 (Knowledge Level) Identify and comply with federal, state and locally mandated regulations regarding safety practices. (CSLO 2)	✓	✓
3.21 (Application Level) Use the OSHA Universal Precaution Standards. (CSLO 2)	✓	✓
3.22 (Application Level) Use prescribed procedures to handle electrical, radiation, biological and fire hazards. (CSLO 2)	✓	✓
3.23 (Application Level) Use appropriate practices, as outlined in the OSHA Hazard Communication Standard, including the correct use of the Material Safety Data Sheet as directed. (CSLO 3)	✓	✓
4.0 (Application Level) Demonstrate standard operating procedures to collect specimens. (CSLO 3)	✓	✓
4.1 (Comprehension Level) Describe the circulatory, urinary, and other body systems that relate to specimen collection tasks. (CSLO 2)	✓	✓
4.2 (Comprehension Level) Describe the difference between whole blood, serum and plasma. (CSLO 2)	✓	
4.3 (Application Level) Describe and use blood collection equipment. (CSLO 3)	✓	✓
4.31 (Comprehension Level) Describe the additive by the evacuated tube color. (CSLO 2)		✓
4.32 (Application Level) Use equipment properly to collect blood by venipuncture and capillary (skin) puncture. (CSLO 3)	✓	✓
4.4 (Application Level) Demonstrate collection of blood specimens by venipuncture and capillary (skin) puncture. (CSLO 3)	✓	✓
4.5 (Comprehension Level) Describe special precautions necessary during blood collections by venipuncture and capillary (skin) puncture. (CSLO 2)	✓	✓
4.6 (Application Level) Apply the criteria that lead to rejection or recollection of a patient sample. (CSLO 3)	✓	
4.7 (Comprehension Level) Describe how to explain to patients the proper collection and preservation for various samples, including: blood sputum stools. (CSLO 2)	✓	
5.0 (Application Level) Prepare blood and body fluid specimens for analysis according to standard operating procedures. (CSLO 3)	✓	✓

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5.1 (Application Level) Apply standard operating procedures for labeling, transport, and processing of specimens, including transport to reference laboratories. (CSLO 3)	✓	✓
5.2 (Comprehension Level) Describe and follow the criteria for specimens and test results that will be used as legal evidence. (CSLO 3)	✓	
6.0 (Application Level) Prepare and reconstitute reagents, standards, and controls according to standard operating procedure. (CSLO 3)	✓	
6.1 (Comprehension Level) Describe laboratory protocol for storage and suitability of reagents, standards, and controls. (CSLO 3)	✓	
6.2 (Analysis Level) Recognize and report contamination and/or deterioration in reagents, standards, and controls. (CSLO 4)	✓	
7.0 (Application Level) Demonstrate appropriate tests at the clinical assistant level, according to standard operating procedures. (CSLO 3)	✓	
7.1 (Analysis Level) Compare test results to reference intervals. (CSLO 4)	✓	
7.2 (Application Level) Report results by manual method or computer according to laboratory protocol. (CSLO 3)	✓	
7.3 (Application Level) Report STAT results of completed tests according to laboratory protocol. (CSLO 3)	✓	
7.4 (Analysis Level) Recognize critical values and follow established protocol regarding reporting. (CSLO 4)	✓	
7.5 (Knowledge Level) Describe how to clean glass and plastic labware. (CSLO 2)	✓	
7.6 (Application Level) Use pipetting equipment. (CSLO 2)	✓	
7.7 (Application Level) Use measurement equipment such as beakers and flasks. (CSLO 2)	✓	
8.0 (Comprehension Level) Describe established quality control protocols to include maintenance and calibration of equipment. (CSLO 2)	✓	✓
8.1 (Application Level) Demonstrate quality control procedures. (CSLO 3)	✓	✓
8.2 (Application Level) Report quality control results. (CSLO 3)	✓	✓
8.3 (Application Level) Report control results that do not meet pre-determined criteria. (CSLO 3)	✓	✓
9.0 (Application Level) Demonstrate effective and appropriate communication (verbal and non-verbal)in workplace settings. (CSLO 1)	✓	
9.1 (Synthesis Level) Reinforce confidentiality of privileged information on individuals. (CSLO 2)	✓	

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9.2 (Comprehension Level) Discuss the value of diversity in the workplace. (CSLO 1)	✓	
9.3 (Application Level) Demonstrate appropriate and professional interaction with other individuals. (CSLO 1)	✓	
9.4 (Application Level) Demonstrate professional appearance and appropriate work behaviors. (CSLO 1)	✓	
9.5 (Application Level) Apply written and verbal instructions in carrying out testing procedures. (CSLO 1)	✓	
10.0 (Application Level) Use information systems necessary to accomplish job functions. (CSLO 3)	✓	
11.0 (Application Level) Report potential pre-analytical errors that may occur during specimen collection, labeling, transporting and/or processing. (CSLO 4)	✓	