Clinical Laboratory Assistant Certificate

Program Learning Outcomes (PLOs)	Measurable Student Learning Outcomes (MSLOs)- PLO Alignment						
	BIO181	BIO205	CLA155	CLA255	CLA169	CLA170	CLA175
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.		✓	✓		✓	✓	✓
2.0 (Application Level) Use common medical terminology.			✓		✓	✓	✓
3.0 (Application Level) Demonstrate knowledge of infection control and safety practices.	✓	✓		✓	✓	✓	✓
3.1 (Application Level) Demonstrate accepted practices for infection control, isolation techniques, aseptic techniques and methods for disease prevention.	✓	✓		✓	✓	✓	
3.2 (Synthesis Level) Incorporate the mandated regulations with federal, state and local guidelines regarding all the safety practices required by NAACLS.	✓	✓		✓	✓	✓	
3.2.1 (Application Level) Observe the OSHA Blood borne Pathogens Standard and Needle Safety Precaution Act.	✓	✓		✓	✓	✓	
3.2.2 (Application Level) Use prescribed procedures to handle electrical, radiation, biological and fire hazards.	✓	✓		✓	✓	✓	
3.2.3 (Application Level) Use appropriate practices, as outlined in the OSHA Hazard Communication Standards, including the correct use of the Material Safety Data Sheet, as directed.	✓	✓		✓	✓	✓	
4.0 (Application Level) Follow standard operating procedures to collect specimens.		✓	✓			✓	✓
4.1 (Synthesis Level) Perform assigned specimen collection tasks incorporating knowledge of the circulatory, urinary, and other body systems.						✓	
4.2 (Comprehension Level) Describe the difference between whole blood, serum, and plasma.	✓	✓	✓			✓	
4.3 (Application Level) Identify and use blood collection equipment.			✓			✓	
4.31 (Evaluation Level) Evaluate and identify the additive by the evacuated tube color.						✓	
4.32 (Application Level) Identify and properly use equipment needed to collect blood by venipuncture and capillary (dermal) puncture.				✓	✓	✓	
4.4 (Application Level) Collect blood specimens by venipuncture.				✓	✓	✓	
4.5 (Application Level) Collect blood specimens by capillary (dermal) puncture.				✓	✓	✓	
4.6 (Knowledge Level) Identify special precautions necessary during blood collections by venipuncture and capillary (dermal) puncture.				✓	✓	✓	
4.7 (Application Level) List and apply the criteria that would lead to rejection or recollection of a patient sample.						✓	
4.8 (Synthesis Level) Instruct patients in the proper collection and preservation for non-blood samples.	✓					✓	

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5.0 (Application Level) Prepare blood and body fluid specimens for analysis according to standard operating procedures.		✓	✓	✓	✓	✓	✓
5.1 (Application Level) Follow standard operating procedures for labeling, transporting and processing of specimens, including transport to reference laboratories.				✓	✓	✓	
5.2 (Synthesis Level) Follow the criteria for reporting specimens and test results that will be used as legal evidence.						✓	
6.0 (Application Level) Prepare/reconstitute reagents, standards and controls according to standard operating procedure.	✓	✓	✓		✓	✓	✓
6.1 (Analysis Level) Follow laboratory protocol for storage and suitability of reagents, standards, and controls.			✓		✓	✓	
6.2 (Synthesis Level) Recognize and report contamination and/or deterioration in reagents, standards and controls.			✓		✓	✓	
7.0 (Synthesis Level) Perform appropriate tests at the clinical assistant level, according to standard operating procedures.	✓	✓	✓		✓	✓	✓
7.1 (Synthesis Level) Identify and report potential pre-analytical errors that may occur during specimen collection, labeling, transporting and processing.			✓		✓	✓	
7.2 (Evaluation Level) Compare and evaluate test results to reference intervals.			✓			✓	
7.3 (Synthesis Level) Record results by manual method or computer according to laboratory protocol.	✓		✓			✓	
7.4 (Synthesis Level) Report STAT results of completed tests according to laboratory protocol.			✓		✓	✓	
7.5 (Synthesis Level) Recognize critical values and follow established protocol regarding reporting.			✓			✓	
7.6 (Application Level) Use and handle measurement equipment appropriately.	✓					✓	
7.7 (Knowledge level) teach knowledge of common medical terminology, knowledge of infection control and safety, knowledge to Communicate (verbally and non-verbally) effectively and appropriately in the workplace.	✓					✓	
9.0 (Comprehension Level) Follow established quality control protocols to include maintenance and calibration of equipment.	✓		✓	✓	✓	✓	✓
9.1 (Synthesis Level) Perform quality control procedures.				✓	✓	✓	
9.2 (Synthesis Level) Record quality control results.				✓	✓	✓	
9.3 (Synthesis Level) Identify and report control results that do not meet pre-determined criteria.			✓	✓	✓	✓	

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10.0 (Application Level) Communicate (verbally and nonverbally) effectively and appropriately in the workplace.	✓	✓			✓	✓	✓
10.1 (Application Level) Demonstrate confidentiality expectations of privileged information for individuals.							
10.2 (Evaluation Level) Evaluate and defend the value of diversity in the workplace.			✓				
10.3 (Application Level) Demonstrate appropriate and professional interaction when working with other individuals.							
10.4 (Analysis Level) Examine and discuss the major points of the American Hospital Association Patients Bill of Rights and the Patients Bill of Rights from the institution.			✓				
10.5 (Application Level) Demonstrate professional appearance and appropriate work behaviors.							
10.6 (Application Level) Apply written and verbal instructions in carrying out testing procedures.							
11.0 (Application Level) Use information systems necessary to accomplish job functions.					✓		
12.0 (Synthesis Level) Record data using the appropriate form when documenting potential pre-analytical errors that may occur during specimen collection, labeling, transporting and/or processing.			✓				