

Medical Laboratory Technician, AAS

Program Learning Outcomes (PLOs)		Measurable Student Learning Outcomes (MSLOs)- PLO Alignment								
		BIO205	CHM130	MLT210	MLT220	MLT230	MLT240	MLT250	MLT270	MLT275
1.0 (Knowledge Level) Define the role of the medical laboratory technician in the healthcare delivery system as it relates to the point-of-care or clinical laboratory environment. (CSLO 1,3)		✓		✓						
2.0 (Application Level) Use common medical terminology. (CSLO 1,2,3)				✓	✓	✓	✓	✓	✓	✓
3.0 (Application Level) Demonstrate knowledge of infection control and safety practices. (CSLO 1,2)		✓	✓	✓					✓	✓
3.1 (Application Level) Demonstrate accepted practices for infection control, isolation techniques, aseptic techniques, and methods for disease prevention. (CSLO 1,2)		✓	✓	✓					✓	✓
3.2 (Synthesis Level) Incorporate the mandated regulations with federal, state, and local guidelines regarding all the safety practices required by NAACLS. (CSLO 2,3)		✓	✓	✓					✓	✓
3.2.1 (Application Level) Observe the OSHA bloodborne Pathogens Standard and Needle Safety Precaution Act. (CSLO 2)				✓						
3.2.2 (Application Level) Use prescribed procedures to handle electrical, radiation, biological, and fire hazards. (CSLO 2)		✓	✓	✓						
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. (CSLO 2)				✓						
4.0 (Application Level) Follow standard operating procedures to collect specimens. (CSLO 1,2)		✓		✓						
4.1 (Synthesis Level) Perform assigned specimen collection tasks incorporating knowledge of the circulatory, urinary, and other body systems. (CSLO 2,4)				✓						
4.2 (Comprehension Level) Describe the difference between whole blood, serum, and plasma. (CSLO 2)				✓						
4.3 (Application Level) Identify and use blood collection equipment. (CSLO 2)				✓						
4.3.1 (Evaluation Level) Evaluate and identify the additive by the evacuated tube color. (CSLO 2)				✓						
4.3.2 (Application Level) Identify and properly use equipment needed to collect blood by venipuncture and capillary (dermal) puncture. (CSLO 2)				✓						
4.4 (Application Level) Collect blood specimens by venipuncture. (CSLO 2,4)				✓						
4.5 (Application Level) Collect blood specimens by capillary (dermal) puncture. (CSLO 2,4)				✓						

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7.6 (Application Level) Use and handle measurement equipment appropriately. (CSLO 2)	✓		✓						
9.0 (Comprehension Level) Follow established quality control protocols to include maintenance and calibration of equipment. (CSLO 2,4)		✓	✓		✓		✓		
9.1 (Synthesis Level) Perform quality control procedures. (CSLO 2)			✓		✓		✓		
9.2 (Synthesis Level) Record quality control results. (CSLO 2)		✓	✓	✓	✓	✓	✓		
9.3 (Synthesis Level) Identify and report control results that do not meet pre-determined criteria. (CSLO 2,4)			✓	✓		✓			✓
10.0 (Application Level) Communicate (verbally and nonverbally) effectively and appropriately in the workplace. (CSLO 1,3)			✓						
10.1 (Application Level) Demonstrate confidentiality expectations of privileged information for individuals. (CSLO 1,2,3)			✓						
10.2 (Evaluation Level) Evaluate and defend the value of diversity in the workplace. (CSLO 1,2)			✓						
10.3 (Application Level) Demonstrate appropriate and professional interaction when working with other individuals. (CSLO 1,3)			✓						
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. (CSLO 1,3)			✓						
10.5 (Application Level) Demonstrate professional appearance and appropriate work behaviors. (CSLO 1,3)			✓						
10.6 (Application Level) Apply written and verbal instructions in carrying out testing procedures. (CSLO 2,4)			✓						
11.0 (Application Level) Use information systems necessary to accomplish job functions. (CSLO 2)			✓						
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. (CSLO 4)		✓	✓						