

MEDICAL LABORATORY TECHNICIAN - AAS

Offered at: Henderson Community College, Jefferson Community and Technical College, Madisonville Community College, Maysville Community and Technical College, Somerset Community College, Southcentral Kentucky Community and Technical College, West Kentucky Community and Technical College

Program Plan Number: 5110047049

Students enrolled in the MLT program must achieve a minimum grade of "C" in each of the medical laboratory technician courses.

Course	Title	Credits
General Education		
ENG 101	Writing I	3
Select one of the following two options:		3
MAT 110	Applied Mathematics Higher Level Quantitative Reasoning Course	
Select one of the following two options:		3-4
CHE 130	Introductory General and Biological Chemistry Higher Level Chemistry Course	
PSY 110	General Psychology	3
Heritage or Humanities		3
COM 181	Basic Public Speaking	3
or COM 252 Introduction to Interpersonal Communication		
Subtotal		18-19
Core Courses		
Digital Literacy Course or demonstrated competency		0-3
BIO 135	Basic Anatomy and Physiology with Laboratory ¹	4
MLT 112	Urinalysis	2
MLT 115	Serology	2
Select one of the following two options:		7
MLT 215	Hematology I & MLT 216 and Hematology II	
MLT 217	Fundamentals of Hematology & MLT 218 and Clinical Hematology	
Select one of the following two options:		4
MLT 225	Immunohematology I & MLT 226 and Immunohematology II	
MLT 227	Immunohematology	
MLT 278	Practicum I	4-5
Pathway 1 requires 4 hours of practicum		
Pathway 2 requires 5 hours of practicum		
Core Subtotal		23-27
General Education and Core Subtotal		41-46

Students must complete one of the pathways listed below to complete the AAS requirements.

Pathway I

Offered at: Henderson Community College, Somerset Community College, Southcentral Kentucky Community and Technical College, West Kentucky Community and Technical College

Program Plan Number: 511004703

Course	Title	Credits
Required		
General Education and Core Subtotal		41-46
BIO 225	Medical Microbiology with Laboratory	4
MLT 101	Introduction to the Clinical Laboratory	3
PHB 151	Phlebotomy for the Health Care Worker	1
PHB 152	Phlebotomy: Clinical Experience	1
MLT 205	Clinical Microbiology I	3
MLT 206	Clinical Microbiology II	2
MLT 233	Clinical Chemistry I	3
MLT 234	Clinical Chemistry II	2
MLT 279	Practicum II	4
Subtotal		23
Total Credit Hours- Pathway I		64-68

Pathway II

Offered at: Jefferson Community and Technical College, Madisonville Community College, Maysville Community and Technical College

Program Plan Number: 511004704

Course	Title	Credits
Required		
General Education and Core Subtotal		41-46
MLT 207	Introduction to Clinical Diagnostic Microbiology	2
PHB 170	Applied Phlebotomy	3
PHB 152	Phlebotomy: Clinical Experience	1
MLT 208	Clinical Diagnostic Microbiology I	3
MLT 209	Clinical Diagnostic Microbiology II	2
MLT 247	Introduction to Clinical Chemistry	3
MLT 248	Advanced Clinical Chemistry	3
MLT 279	Practicum II	5
Subtotal		22
Total Credit Hours- Pathway II		64-68

¹ BIO 137 Human Anatomy and Physiology I with Laboratory (4 credit hours) and BIO 139 Human Anatomy and Physiology II with Laboratory (4 credit hours) may be substituted for BIO 135 Basic Anatomy and Physiology with Laboratory (4 credit hours).