



**MEDICAL LABORATORY TECHNICIAN
Pathway II
Associate of Applied Science**

Academic Plan Code: 5110047049

Contact Information: Jonathan Johnson			
jonathan.johnson@kctcs.edu		270-534-3502	
Student Name		Student ID#	
Course	Hours	Grade	Semester
PRE-REQUISITES			
BIO 135 BASIC ANATOMY/PHYSIOLOGY W/LAB** (BIO 137 & BIO 139 may be substituted for BIO 135)	4		
CHE 130 INTRODUCTORY GENERAL AND BIOLOGICAL CHEMISTRY** OR HIGHER CHEMISTRY COURSE	4 (3)		
MAT 110 APPLIED MATHEMATICS ** OR HIGHER QUANTITATIVE REASONING COURSE**	3 (3)		
FYE 105 First Year Experience	3		
PRE/CO-REQUISITE			
PHB 170 APPLIED PHLEBOTOMY*** AND PHB 152 PHLEBOTOMY: CLINICAL EXPERIENCE ***	3 1		
GENERAL EDUCATION			
COM 181 BASIC PUBLIC SPEAKING OR COM 252 INTRODUCTION TO INTERPERSONAL COMMUNICATIONS	3 (3)		
ENG 101 WRITING I	3		
HERITAGE/HUMANITIES	3		
PSY 110 GENERAL PSYCHOLOGY	3		
TECHNICAL COURSES			
MLT 112 URINALYSIS	2		
MLT 115 SEROLOGY	2		
MLT 207 INTRODUCTION TO CLINICAL DIAGNOSTIC MICROBIOLOGY	2		
MLT 208 CLINICAL DIAGNOSTIC MICROBIOLOGY I	3		
MLT 209 CLINICAL DIAGNOSTIC MICROBIOLOGY II	2		
MLT 217 FUNDAMENTALS OF HEMATOLOGY	3		
MLT 218 CLINICAL HEMATOLOGY	4		
MLT 227 IMMUNOHEMATOLOGY	4		
MLT 247 INTRODUCTION TO CLINICAL CHEMISTRY	3		
MLT 248 ADVANCED CLINICAL CHEMISTRY	3		
MLT 278 CLINICAL PRACTICUM I OR MLT 278-1 CLINICAL PRACTICUM I, PART 1 AND MLT 278-2 CLINICAL PRACTICUM I, PART 2 <i>Please see catalog course description.</i>	5 2.5 2.5		
MLT 279 CLINICAL PRACTICUM II OR MLT 279-1, CLINICAL PRACTICUM II, PART 1 AND MLT 279-2, CLINICAL PRACTICUM II, PART 2 <i>Please see catalog course description.</i>	5 2.5 2.5		
Digital Literacy	0-3		
Total Credits	67-71		
**Pre-Requisites			
Revised Date: 8/29/2018			

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KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM

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PRE/CO-REQUISITE COURSES - First Semester		
Course No.	Course Title	Credit Hours
CHE 130	Introductory General and Biological Chemistry** Higher Chemistry Course**	4 (3)
PHB 170 PHB 152	Applied Phlebotomy*** Phlebotomy: Clinical Experience***	3 1
MAT 110	Applied Mathematics** Higher Quantitative Reasoning course**	3 (3)
BIO 135	Basic Anatomy and Physiology** (BIO 137 and BIO 139 may be substituted for BIO 135)	4
FYE 105	First Year Experience	3
Subtotal		17-18
Second Semester		
Course No.	Course Title	Credit Hours
MLT 112	Urinalysis	2
MLT 115	Serology	2
MLT 207	Introduction to Clinical Diagnostic Microbiology	2
PSY 110	General Psychology*	3
MLT 278-1	Clinical Practicum I, Part 1	2.5
COM 181	Basic Public Speaking	3
COM 252	Introduction to Interpersonal Communications*	(3)
Subtotal		14.5
Third Semester		
Course No.	Course Title	Credit Hours
MLT 217	Fundamentals of Hematology	3
MLT 218	Clinical Hematology	4
MLT 227	Immunoematology	4
MLT 278-2	Clinical Practicum I, Part 2	2.5
Subtotal		13.5

Fourth Semester		
Course No.	Course Title	Credit Hours
MLT 208	Clinical Diagnostic Microbiology I	3
MLT 247	Introduction to Clinical Chemistry	3
MLT 248	Advanced Clinical Chemistry	3
MLT 279-1	Clinical Practicum II, Part 1	2.5
ENG 101	Writing I*	3
Subtotal		14.5
Fifth Semester		
Course No.	Course Title	Credit Hours
	Heritage/Humanities*	3
MLT 209	Clinical Diagnostic Microbiology II	2
MLT 279-2	Clinical Practicum II, Part 2	2.5
	Digital Literacy or demonstrated competency*	0 - 3
Subtotal		7.5-10.5
	Grand Total	67-71

Program Coordinator's Notes:

*General Education

Highly recommended - completion of as many general education requirements as possible prior to entering first Spring semester. It is recommended that digital literacy be completed prior to program entry. However, students may be less than full time if taken before the final semester.

These courses **must be completed before applying to the MLT program.

***It is recommended, if possible, PHB 170 and 152 be completed prior to entering the program. But, it can be completed during the 1st semester of program courses.

All technical courses must be completed with a grade of "C" or better in order to continue in the MLT Program.