

Associate of Applied Science – Medical Laboratory Technician (MLT)

Name: _____ ID#: _____ Date: _____

The Missouri Health Professions Consortium (MHPC) MLT Program curriculum includes on-campus or virtual classroom instruction, on-campus laboratory instruction, and an off-campus clinical rotation component encompassing the areas of Hematology and Coagulation, Clinical Microbiology, Parasitology, Mycology and Virology, Immunohematology, Clinical Chemistry and Urinalysis, Immunology and Phlebotomy.

The classroom lecture component is taught by MACC and Three Rivers College faculty and is broadcast to the MLT students located at the East Central College, Mineral Area College, MACC, North Central Missouri College, Three Rivers College, and State Fair Community College campuses using video conferencing software or online learning management system technology.

In addition, all MLT students will be required to travel to the MACC Mexico Campus at designated times during the fall, spring and summer semesters to participate in “centralized lab” sessions that bring the students from all campuses together for group lab activities and testing. Any required lodging will be at the student’s expense.

Taken	Course	Semester	Hours	Milestone***
		*Required Pre-Entry Courses (Prior to entering the program, students must complete the following courses and meet the required grade point average):		
	BIO205	Human Anatomy	4	BIO205
	BIO209	^Physiology	4	BIO209
		Directed Electives**	4	Directed Electives
	HST105 <u>or</u> HST106 <u>or</u> PSC105	American History to 1865 <u>or</u> American History from 1865 <u>or</u> Introduction to American Government	3	HST105 <u>or</u> HST106 PSC105
	LAL101	^Composition I	3	LAL101
	MTH140 <u>or</u> higher	^Precalculus Algebra <u>or</u> higher	3	MTH140 <u>or</u> higher
	PHY120 <u>or</u> PHY121	^Foundations of Chemistry <u>or</u> ^General Chemistry I	4	PHY120 <u>or</u> PHY121
			25	
Fall: Professional Coursework				
	MLT150	Introduction to Laboratory Science Methods	2	
	MLT210	Immunology	3	
	MLT250	Hematology and Coagulation	5	
	MLT260	Phlebotomy	2	
	MLT291	Hematology and Coagulation Practicum	2	
			14	
Spring: Professional Coursework				
	MLT270	Immunohematology	5	
	MLT280	Clinical Microbiology	4	
	MLT290	Parasitology, Mycology, Virology	1	
	MLT293	Clinical Microbiology Practicum	2	
	MLT294	Immunohematology Practicum	2	
			14	
Summer: Professional Coursework				
	MLT220	Clinical Chemistry and Urinalysis	5	
	MLT292	Clinical Chemistry and Urinalysis Practicum	2	
			7	
Minimum Required Hours for Degree			60	

***Required Pre-Entry Courses** (Prior to beginning the MLT Program in August, students must successfully complete the required general education courses with a “C” or better and maintain a minimum 2.5 GPA or higher in the required general education coursework.)

****Directed Electives:** A minimum of 4 credit hours chosen from any combination of AA elective courses.

***It is strongly recommended that students successfully complete the Milestone courses as planned on the academic map to ensure completion of the degree in two years. In addition, if students do not successfully complete the Milestone course(s), they are strongly encouraged to re-enroll in the course(s) the following semester.

^Please refer to the course descriptions for pre/co-requisite and placement information. You can only register for these courses if you have met the prerequisite, placed into the course and/or enroll in the co-requisite course(s).

Additional Program Notes:

Off-campus clinical rotation components occur at designated clinical affiliates near the “home campus” area for each student. Students should be prepared to drive to their designated clinical locations each day assigned.

Students are NOT required to have a personally owned computer or home-based high-speed internet access as these materials and services are made readily available at all “home” campuses. However, it is strongly recommended that students have their own computer for use throughout the program.

General education classes may be completed at colleges other than the MHPC partner community colleges. Transfer credit is determined by each MHPC partner community college and students should not presume that all general education courses taken at another college will transfer as the equivalent to MHPC partner college coursework.

To successfully complete MLT Professional Coursework, students must achieve a minimum score of 78% or “C” in both the didactic and clinical components.

The MHPC MLT Program admissions process does not discriminate on the basis of race, creed, national origin, ancestry, gender, sexual orientation, age, veteran status, marital or parental status, or the presence of a non-job-related condition or disability.

Additional Graduation Requirement

Missouri law, included in Senate Bill 807, requires every college student pursuing an associate’s or bachelor’s degree at a public institution to pass the Missouri Higher Education Civics Achievement Examination with at least a 70 percent to graduate. The rule will apply to the incoming class of first-time college students in the fall of 2019 and all students thereafter.

For additional admission information, please see the [MLT Application](#) located on the MACC website or contact Darinda Mast, MLT Operations Coordinator, at darindamast@macc.edu or 1-660-263-4100 ext. 13624.