Medical Laboratory Technician

Health Sciences Division

Program offered at:

Maysville Campus 606-759-7141 ext. 66277
Michelle Thoroughman, Coordinator
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About the Program

The Medical Laboratory Technician program provides students with the opportunity to acquire the necessary skills to work under the supervision of a registered clinical scientist or pathologist in a clinical laboratory, hospital, or other health agency.

The MLT student learns to collect specimens from the patient and perform laboratory tests in all areas of the clinical laboratory to include immunohematology, clinical chemistry, hematology, microbiology, serology and urinalysis.

Students enrolled in the MLT program must achieve a minimum grade of "C" in each of the medical laboratory technician courses. Upon completion of the program, the graduate is eligible for the national certification examination as a medical laboratory technician, MLT.

Unique Requirements for Admission

Acceptance into the Associate Degree Medical Laboratory Technician program is based on a selective admissions process. Requirements are:

- application for admission to college;
- official transcript from each college or university previously attended;
- official high school transcript verifying graduation or official passing GED scores;
- attendance at one Pre-Admission Conference per admission cycle;
- successful completion of math, science and course pre-requisites with a grade of "C" or higher;
- GPA of 2.00 or better in all college coursework (not just one class);
- Red Cross or American Heart Association Healthcare Provider Level CPR certification required by October 1 if admitted to program (online certification not acceptable);
- all college and program admission requirements must be on file by March 1 of each year to be considered for admission in the fall semester;
- **documentation of computer literacy as defined by KCTCS.**

Curriculum

Medical Laboratory Technician
Associate in Applied Science Degree

Required General Education & Support Courses

ENG	101	Writing I	3	
MAT	110	Applied Math*	3	***or***
		Higher Quantitative Reasoning Course*	(3)	
COM	252	Interpersonal Communication	3	***or***
COM	181	Basic Public Speaking	3	
CIT	105	Introduction to Computers	3	***or***
OST	105	Introduction to Information Systems	(3)	
		Heritage/Humanities/Foreign Language	3	
CHE	130	Introductory General & Biological Chemistry*	4	***or***
		Higher Chemistry Course*	(4)	
BIO	135	Basic Anatomy & Physiology*	4	***or***
BIO	137	Human Anatomy & Physiology I*	(4)	***and***
BIO	139	Human Anatomy & Physiology II*	(4)	
PSY	110	General Psychology	3	

* Completion strongly recommended prior to admission.

Required Core Courses

PHB	170	Applied Phlebotomy	3	***and***
PHB	152	Phlebotomy Clinical Experience	1	
MLT	112	Urinalysis	2	
MLT	115	Serology	2	
MLT	207	Intro to Clinical Diagnostic Microbiology	2	
MLT	208	Clinical Diagnostic Microbiology I	3	***and***
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	***and***
MLT	248	Advanced Clinical Chemistry	3	
MLT	278	Practicum I	5	
MLT	279	Practicum II	5	
		TOTAL CREDITS	**68**	

The Medical Laboratory Technician program is in the process of obtaining accreditation through the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
5600 N River Road
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Rosemont, IL 60018-5119
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Maysville Community & Technical College
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