

# Medical Lab Technician

## Guided Pathway to Success - Year 1 (AAS)

East Central College offers the MLT program through the Missouri Health Professions Consortium (MHPC) and is coordinated through Moberly Area Community College. Medical Laboratory Technicians occupy an essential function on the healthcare team. This group of professionals focuses on laboratory specimens and techniques that provide physicians with test results for medical decisions.

After all classes and clinical requirements are completed within the MHPC MLT Program, students graduate from their home campus. The MHPC MLT Program is full-time only, with courses offered in a specific sequence. Each summer, an average of thirty students are selected to begin the program in the fall. The professional year of the program (MLT coursework) is designed to be completed within 12 months beginning in August and ending the following August. When students have successfully completed the Medical Laboratory Technician program, they will be eligible to take the American Society for Clinical Pathology certification examination.

Prerequisites/General Education: A selective admission process is utilized. Students must have a "C" or better in prerequisite coursework and a cumulative college GPA of 2.5.

COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
COL 100	Campus Orientation	0	
COL 101	Falcon Seminar: Health Science	1	
PSC CIVICS	Civics Achievement Exam	0	
Varies	CORE 42 Civics Requirement	3	
CHM 105	Intro to Chemistry Lec/Lab	5	
MTH 140 or MTH 150 or MTH 170	Contemporary Mathematics, Statistics, or College Algebra	3-5	
ENG 101 or ENG 114	English Composition I or Honors English Composition I	3	
Total Credit Hours: 15-17			

### MILESTONE NOTES

Complete Math Requirement

Complete CHM 105

COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
BIO 206	Human Anatomy & Physiology I Lec/Lab	4	
BIO 207	Human Anatomy & Physiology II Lec/Lab	5	
SOC 101, PSY 101, PHL 203, BIO 205	Choose Elective: General Sociology, General Psychology, Ethics, or Microbiology	6	
Total Credit Hours: 15			

### MILESTONE NOTES

Complete BIO 206

Updated 3/2025

# Medical Lab Technician

## Guided Pathway to Success - Year 2 (AAS)

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After all classes and clinical requirements are completed within the MHPC MLT Program, students graduate from their home campus. The MHPC MLT Program is full-time only, with courses offered in a specific sequence. Each summer, an average of thirty students are selected to begin the program in the fall. The professional year of the program (MLT coursework) is designed to be completed within 12 months beginning in August and ending the following August. When students have successfully completed the Medical Laboratory Technician program, they will be eligible to take the American Society for Clinical Pathology certification examination.

Prerequisites/General Education: A selective admission process is utilized. Students must have a "C" or better in prerequisite coursework and a cumulative college GPA of 2.5.

COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
MLT 150	Intro to Lab Science Methods	2	Fall
MLT 210	Immunology	3	Fall
MLT 250	Hematology & Coagulation	5	Fall
MLT 260	Phlebotomy	2	Fall
MLT 291	Hematology & Coagulation Practicum	2	Fall
Total Credit Hours: 14			

COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
MLT 270	Immunochemistry	5	Spring
MLT 280	Clinical Microbiology	4	Spring
MLT 290	Parasitology, Mycology & Virology	1	Spring
MLT 293	Clinical Microbiology Practicum	2	Spring
MLT 294	Immunochemistry Practicum	2	Spring
Total Credit Hours: 14			

COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
MLT 220	Clinical Chemistry & Urinalysis	5	Summer
MLT 292	Clinical Chemistry & Urinalysis Practicum	2	Summer
Total Credit Hours: 7			

Updated 3/2025