EAST CENTRAL COLLEGE
Inspiring Excellence

Medical Laboratory Technician

NURSING & ALLIED HEALTH
636.584.6616
eastcentral.edu/mlt

PROGRAM

The AAS in Medical Laboratory Technician is a one-plus-one degree program, which prepares students to practice. After graduation, students are eligible to take the American Society for Clinical Pathology National Certification Exam. East Central is one of six colleges in the Missouri Health Professions Consortium (MHPC) currently selected to offer the program coordinated through Moberly Area Community College. ECC offers and enrolls students in the general education coursework; sophomore level (professional level) coursework is conveyed to ECC students via virtual classroom instruction, on-campus laboratory instruction in Mexico, Missouri on designated dates, and off-campus clinical rotation experience. Through the combination of general education, professional-level coursework, classroom, laboratory practice and clinical experiences, students learn the profession of Medical Laboratory Technology.

EMPLOYMENT & SALARY OPPORTUNITIES

As of 2016, the Bureau of Labor Statistics revealed there are 328,200 MLT's in the United States. The median pay for MLT's nationwide is $50,930 per year.

Career opportunities open to Medical Laboratory Technicians include, but are not limited to:

- Staffing hospital, private, and public health laboratories;
- Specialized positions in hematology, clinical chemistry, clinical microbiology, parasitology, blood banking;
- Research and quality control in industry positions;
- Sales distribution of pharmaceuticals or lab products;
- Technical specialists to teach new procedures and instrumentation.

CAREER

Professionals employed in the field of medical laboratory technology are an indispensable part of the health care team. Using samples from many kinds of human specimens, laboratorians perform determinations and analysis that physicians use to maintain health or to diagnose and treat disease. Testing involves operating sophisticated instruments, identifying microscopic organisms, using routine testing kits and performing complicated assays. Laboratory work requires technical expertise and attention to detail.

A laboratory professional not only performs the testing but also recognizes disease states. With their specialized training, Medical Laboratory Technicians provide the health care team with the most accurate results available.

ADMISSION REQUIREMENTS

To enter the program, students must have completed:

- High school diploma or the equivalent
  (documentation must be sent to the registration office)
- Application for admission to ECC
- A placement test as specified by the college
  (some coursework requires minimum placement results)
- A cumulative college GPA of 2.5 or better
- Prerequisites with a "C" or better prior to starting the program
- Enrollment in the MHPC Medical Lab Technology program is selective and an information packet with application materials is available online.

NAACLS

The MHPC MLT Program is fully accredited by the National Accrediting Agency for Clinical laboratory Sciences (NAACLS), 56000 N_ River Rd., Suite 720, Rosmont, !L 60018, (773)714·8880 or info@naads.org.

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Program Prerequisites/Gen Ed

Prior to entering the program, students must complete the following prerequisite coursework and meet the required 2.5 cumulative GPA.

Fall Semester		Hours
• COL*100	Campus Orientation	0.0
• COL*101	Falcon Seminar	1.0
• ENG*101/114	English Comp I or Honors	3.0
• CHM*105	Intro Chemistry Lec & Lab	5.0
• CORE 42	Core 42 Mathematics	3.0
• CORE 42	Core 42 Civics	3.0
• PSC*CIVICS	Civics Achievement Exam	0.0
	Total:	**15.0**

Spring Semester		Hours
• BIO*206	Human Anatomy & Physiology I Lec & Lab	4.0
• BIO*207	Human Anatomy & Physiology II Lec & Lab	5.0
• varies	Elective*	4.0
• varies	Elective*	3.0
	Total:	**16.0**

*Elective Options

• BIO*205	Microbiology	4.0
• PHL*203	Ethics	3.0
• PSY*101	General Psychology	3.0
• SOC*101	General Sociology	3.0

Medical Labratory Technician Program (35 Credit Hours)

Fall Semester		Hours
• MLT*150	Intro to Laboratory Science Methods	2.0
• MLT*210	Immunology	3.0
• MLT*250	Hematology & Coagulation	5.0
• MLT*260	Phlebotomy	2.0
• MLT*291	Hematology & Coagulation Practicum	2.0
	Total:	**14.0**

Spring Semester		Hours
• MLT*270	Immunohematology	5.0
• MLT*280	Clinical Microbiology	4.0
• MLT*290	Parasitology, Mycology & Virology	1.0
• MLT*293	Clinical Microbiology Practicum	2.0
• MLT*294	Immunohematology Practicum	2.0
	Total:	**14.0**

Summer Semester		Hours
• MLT*220	Clinical Chemistry & Urinalysis	5.0
• MLT*292	Clinical Chemistry & Urinalysis Practicum	2.0
	Total:	**7.0**