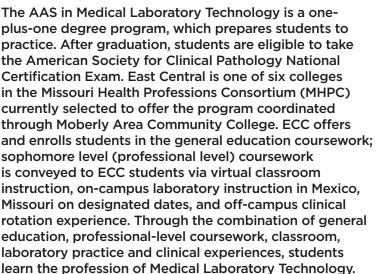


# Medical Laboratory Technology

**NURSING & ALLIED HEALTH** 

636.584.6616 eastcentral.edu/mlt







### 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.



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 Semeste  | 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          |  |      |
|--------------------------|--|------|
| • BIO*206                | Human Anatomy &<br>Physiology I Lec & Lab  | 4.0  |
| • BIO*207                | Human Anatomy &<br>Physiology II Lec & Lab | 5.0  |
| <ul><li>varies</li></ul> | Elective*                                  | 4.0  |
| <ul><li>varies</li></ul> | 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        |  |              |
|----------------------|--|--------------|
| • MLT*150            | Intro to Laboratory<br>Science Methods | 2.0          |
| • MLT*210            | Immunology                             | 3.0          |
| • MLT*250            | Hematology & Coagulation               | 5.0          |
| • MLT*260            | Phlebotomy                             | 2.0          |
| • MLT*291            | Hematology & Coagulation<br>Practicum  | 2.0          |
|                      | Total:                                 | 14.0         |
|                      | iotai:                                 | 14.0         |
| Spring Sem           |  | Hours        |
| Spring Sem • MLT*270 |  |              |
|                      | ester                                  | Hours        |
| • MLT*270            | <b>ester</b> Immunohematology          | Hours<br>5.0 |

### Summer Semester Hours

2.0

**Total: 14.0** 

• MLT\*294 Immunohematology Practicum

|           |   | Total: | 7.0 |
|-----------|---|--------|-----|
| • MLT*292 | Clinical Chemistry & Urinalysis Practicum |        | 2.0 |
| • MLT*220 | Clinical Chemistry & Urinalysis           |        | 5.0 |