

# Medical Lab Technologist AAS Degree

The Medical Laboratory Technology Associate Degree in Applied Science program is offered at the community colleges through the Southern Illinois Collegiate Common Market (SICCM). The student will learn the technical skills necessary to perform routine studies in areas of hematology, serology, coagulation, clinical microbiology, clinical chemistry, blood banking, and urinalysis. The medical laboratory technician will also perform patient venipuncture and will maintain quality control data.

It is the student's responsibility to be knowledgeable of the prerequisites of all courses.

MLT courses are cooperatively offered by SICCM. These classes could be scheduled at a site other than the Shawnee Community College campus.

Retention in the MLT program requires that the MLT student earn a grade of "C" or better in all MLT and natural science courses (Chemistry, Anatomy & Physiology, and Microbiology). The student must maintain a "C" average in all courses required in the MLT curriculum.

MLT students' grades will be reviewed by the MLT program director at the end of each semester.

## First Year

FALL SEMESTER		Credit Hours
BIO 210	Introduction to Human Anatomy	4
CHE 111	Inorganic, Organic & Biochemistry I	4
*MAT 116	College Algebra	4
MLT 120	Intro to Clinical Laboratory	3
<b>TOTAL HOURS</b>		<b>15</b>

SPRING SEMESTER		Credit Hours
BIO 215	Intro to Human Physiology	4
BIO 218	Intro to Microbiology	4
CHE 113	Inorganic, Organic and Biochemistry II	4
MLT 121	Serology (second eight weeks)	1.5
MLT 122	Clinical Microscopy (first eight weeks)	1.5
MLT 123	Intro to Phlebotomy	3
<b>TOTAL HOURS</b>		<b>18</b>

SUMMER SEMESTER		Credit Hours
ENG 111	English Composition I	3
SPC 111	Speech	3
<b>TOTAL HOURS</b>		<b>6</b>



## Second Year

FALL SEMESTER		Credit Hours
MLT 223	Immunohematology (first 10 ½ weeks)	4
MLT 228	Hematology and Hemostasis (first 10 ½ weeks)	5
MLT 251	Clinical Rotation I (last 6 ½ weeks)	3
<b>TOTAL HOURS</b>		<b>12</b>

SPRING SEMESTER		Credit Hours
MLT 225	Clinical Chemistry (first 10 ½ weeks)	4
MLT 229	Applied Clinical Microbiology (first 10 ½ weeks)	5
MLT 252	Clinical Rotation II (last 6 ½ weeks)	3
PSY 211	Intro to Psychology	3
<b>TOTAL HOURS</b>		<b>15</b>

Career Clusters: Health Science Technology

Career Pathways: Diagnostic Services

### Possible Career Opportunities:

Chief Medical Technologist \* Clinical Laboratory Scientist (CLS)  
 Clinical Laboratory Technologist \* Histologist Technologist; Medical Laboratory Technologist (Medical Lab Tech) \* Medical Technologist (MT)  
 Medical Technologist \* Clinical Laboratory Scientist \* Microbiologist  
 Microbiology Technologist \* Research Assistant

**O\*NET Links:** [www.onetonline.org](http://www.onetonline.org)  
 SOC Codes: 29-2011.00

**Current In-District Rate Semester Credit Hour:** \$125.00 per Credit Hour    \$ 15.00 Technology Fee/per Credit Hour    Lab fees Vary

### **First Semester Fall** – total cost - \$2,355.00

This includes a \$50.00 Lab fee for BIO 210 Introduction to Human Anatomy  
 This includes a \$40.00 Lab fee for CHE 111 Inorganic, Organic & Biochemistry I  
 This includes a \$150.00 Lab fee for MLT 120 Intro to Clinical Laboratory  
 This includes a \$15.00 Insurance fee for MLT 120 Intro to Clinical Laboratory

### **Second Semester Spring** – total cost – \$3,060.00

This includes a \$50.00 Lab fee for BIO 218 Intro to Microbiology  
 This includes a \$40.00 Lab fee for CHE 113  
 This includes a \$150.00 Lab fee for MLT 121 Serology  
 This includes a \$150.00 Lab fee for MLT 122 Clinical Microscopy  
 This includes a \$150.00 Lab fee for MLT 123 Intro to Phlebotomy

### **Third Semester Summer** - total cost – \$840.00

### **Total Projected Program cost** - \$10,950.00

Books not included in projected cost.

\*Some courses may be available for online instruction.  
 Additional \$30 per class fee will apply.

### **Forth Semester (Second Year) Fall** – total cost - \$2,145.00

This includes a \$150.00 Lab fee for MLT 223 Immunohematology  
 This includes a \$150.00 Lab fee for MLT 128 Hematology and Hemostasis  
 This includes a \$150.00 Lab fee for MLT 251 Clinical Rotation I  
 This includes a \$15.00 Insurance fee for MLT 251 Clinical Rotation I

### **Fifth Semester (Second Year) Spring** – total cost - \$2,550.00

This includes a \$150.00 Lab fee for MLT 225 Clinical Chemistry  
 This includes a \$150.00 Lab fee for MLT 229 Applied Clinical Microbiology  
 This includes a \$150.00 Lab fee for MLT 252 Clinical Rotation II

### **Contact Information:**

**Admissions**

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