

# MEDICAL LABORATORY TECHNOLOGY, A.A.S.

## Entry Time

Fall

## Award

Associate of Applied Science degree

2 years (6 terms)

Medical Laboratory Technicians (MLTs) are members of the healthcare and quality teams who perform, evaluate, assure the accuracy and validity of laboratory test information and collaborate in the diagnosis, treatment and therapy of patients. MLTs are trained to work in multiple settings such as hospitals, physician's offices, private reference laboratories, research, biotechnology, public health, non-clinical industrial laboratories and sales or technical services.

Various diverse functions of sample collection, test analysis, principle application, quality control monitoring, use and maintenance of automated and electronic instruments, trouble shooting and problem solving techniques are performed under the supervision of a Medical Laboratory Scientist or Pathologist in compliance with safety and governmental regulations. The individual will develop competencies in areas such as chemistry, hematology, blood bank, microbiology, immunology, molecular diagnostics and quality assurance.

This Allied Health program has a mandatory background check for clinical purposes.

Upon successful completion of the program the student is eligible to take the national certification exam from the American Society for Clinical Pathology (ASCP)

The Kirkwood Community College Medical Laboratory Technology program is accredited by the National Accrediting Agency for Clinical Laboratory Services (NAACLS):

5600 N River Road, Suite 720  
Rosemont, IL 60018-5119  
773-714-8880

## Degree Requirements

Term 1		Credit Hours
MLT-105	Pathophysiology for Lab <sup>1</sup>	3
MLT-106	Introduction to Biosafety <sup>1</sup>	1
MLT-109	Principles of Phlebotomy <sup>1</sup>	3
MLT-115	Clinical Lab Fundamentals <sup>1</sup>	3
SPC-101	Fundamentals of Oral Comm <sup>1, 2, 3</sup>	3
Select one of the following: <sup>1, 2, 3</sup>		3
BIO-161	Basic Anatomy and Physiology	
BIO-168 & BIO-173	Human Anatomy Physiology I and Human Anatomy Physiology II	
Term Totals:		16

Term 2		
MLT-120	Urinalysis <sup>1</sup>	3
MLT-130	Hematology <sup>1</sup>	3
BIO-186	Microbiology <sup>1, 3</sup>	4
CHM-110	Introduction to Chemistry <sup>1, 2, 3</sup>	3
CHM-111	Introduction to Chemistry Lab <sup>1, 2, 3</sup>	1
Term Totals:		14
Term 3		
MLT-230	Advanced Hematology <sup>1</sup>	3
MLT-233	Hemostasis and Thrombosis <sup>1</sup>	2
MLT-270	Immunology and Serology <sup>1</sup>	2
Select one of the following:		3
ENG-105	Composition I <sup>1, 2, 3</sup>	
ENG-120	College Writing <sup>1, 2, 3</sup>	
ENG-108	Comp II: Technical Writing <sup>1, 2, 3</sup>	
Term Totals:		10
Term 4		
MLT-245	Clinical Chemistry <sup>1</sup>	5
MLT-255	Clinical Microbiology <sup>1</sup>	5
MLT-260	Immunohematology <sup>1</sup>	4
MLT-290	Clinical Seminar and Review <sup>1</sup>	2
Term Totals:		16
Term 5		
MLT-283	Clinical Practicum: Urinalysis <sup>1, 4</sup>	1
MLT-286	Clin Prac Immunology/Serology <sup>1, 4</sup>	1
MLT-287	Clinical Practicum Hematology <sup>1, 4</sup>	4
MLT-293	Clin Prac: Immunohematology <sup>1, 4</sup>	3
MLT-297	Clinical Practicum: Chemistry <sup>1, 4</sup>	3
Humanities or History/Culture Course ( <a href="https://creditcatalog.kirkwood.edu/aas-degree-humanities-requirement/">https://creditcatalog.kirkwood.edu/aas-degree-humanities-requirement/</a> ) <sup>1, 2, 3</sup>		3
Term Totals:		15
Term 6		
MLT-288	Clinical Practicum Microbio <sup>1, 4</sup>	4
MLT-271	Lab Survey and Preparation <sup>1</sup>	1
Social Science Course <sup>1, 2, 3</sup>		3
Term Totals:		8
Program Totals:		79

<sup>1</sup> Minimum C grade in all MLT courses to graduate

<sup>2</sup> Recommended course, other options available, see advisor

<sup>3</sup> Courses may be taken before beginning the technical portion of the program.

<sup>4</sup> This course involves off campus clinical experience.

## Social Science Courses

Code	Title	Credit Hours
SOC-110	Introduction to Sociology	3
SOC-115	Social Problems	3
SOC-200	Minority Group Relations	3
SOC-220	Sociology of Aging	3
SOC-265	Intro to LGBTQ+ Studies	3