

# Medical Laboratory Technician • Part-time Hybrid E-Degree

## Semester Course Outline • 2024 – 2025

23 Months (4 Semesters of Part-time MLT Enrollment, 1 Semester Full-time Practicum)

Prerequisite General Course Completion • Fall Start • Revised: 5/6/24

Associate of Applied Science (A.A.S.) Degree • Credits Required for Graduation: 72.5



### Prerequisite for the Medical Laboratory Program

#### First Fall Semester

Course Number	Course Title	Clock Hours	Credits
CHEM 106	Inorganic Chemistry Lecture	45	3
CHEM 106L	Inorganic Chemistry Lab	45	1
• ECON 105 or SOC 100	Leadership in the Global Workplace or Introduction to Sociology *	45	3
• MATH 101 or MATH 114	Intermediate Algebra or College Algebra *	45	3
<b>Total</b>		180	10

#### First Spring Semester

Course Number	Course Title	Clock Hours	Credits
BIOL 221	Human Anatomy * (9 labs to attend on campus)	90	4
MA 115	Medical Terminology	45	3
MICRO 231	General Microbiology *	90	4
<b>Total</b>		225	11

#### First Summer Session

Course Number	Course Title	Clock Hours	Credits
PSYC 101	General Psychology *	45	3
• CMST 101 or ENGL 101	Foundations of Communication * or Composition *	45	3
<b>Total</b>		90	6

**NOTE:** If a student has completed all their general education requirements, MLT 101 and MA 115 may be taken with their first semester of MLT classes.

**REMINDER:** Clinical Practicum I, II, and Practicum Correlation will be taken when all previous course work (including generals) have been completed.



**Second Fall Semester**

Course Number	Course Title	Clock Hours	Credits
MLT 101	Introduction to Medical Laboratory	56	2
MLT 105	Urinalysis and Body Fluids	98	3.5
MLT 215	Clinical Chemistry	112	4
<b>Total</b>		266	9.5

**Second Spring Semester**

Course Number	Course Title	Clock Hours	Credits
MLT 116	Hematology I	56	2
MLT 118	Clinical Microbiology I	84	3
MLT 201	Immunology	112	4
<b>Total</b>		252	9

**Third Fall Semester**

Course Number	Course Title	Clock Hours	Credits
MLT 135	Principles of Phlebotomy	56	2
MLT 212	Hematology II (Can only be taken <b>after</b> MLT 116)	84	3
MLT 217	Clinical Microbiology II (Can only be taken <b>after</b> MLT 118)	56	2
CSC 100	Computer Concepts	15	1
<b>Total</b>		211	8

**Third Spring Semester**

Course Number	Course Title	Clock Hours	Credits
MLT 125	Seminar	14	.5
MLT 205	Applied Phlebotomy (Can only be taken <b>after</b> MLT 135)	28	1
MLT 221	Immunohematology (Blood Banking)	112	4
CSS 100	Career Search Strategies	8	.5
<b>Total</b>		162	6

<b>Clinical Practicum – (Taken when all other courses are completed – including generals)</b>			
Course Number	Course Title	Clock Hours	Credits
MLT 226	Practicum I: General Lab Practice, Phlebotomy, Hematology, Chemistry, Urinalysis (9 weeks)	360	6
MLT 231	Practicum II: Microbiology, Immunology, and Immunohematology (9 weeks) (Includes Sim Lab on campus for 3 weeks)	360	6
MLT 236	Practicum Correlation	15	1
<b>Total</b>		735	13

- Students will select a course in each of the areas listed to meet general education requirements. Courses marked with an asterisk (\*) can be transferred directly to the university system.