

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: 2/2/24

Associate of Applied Science (A.A.S.) Degree • Credits Required for Graduation: 71.5



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
Total		180	10

First Spring Semester

Course Number	Course Title	Clock Hours	Credits
ANAT 142	Anatomy * (9 labs to attend on campus)	45	3
MA 115	Medical Terminology	45	3
MICRO 231	General Microbiology *	90	4
Total		180	10

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
Total		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
Total		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
Total		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 after MLT 116)	84	3
MLT 217	Clinical Microbiology II (Can only be taken after MLT 118)	56	2
CSC 100	Computer Concepts	15	1
Total		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 after MLT 135)	28	1
MLT 221	Immunohematology (Blood Banking)	112	4
CSS 100	Career Search Strategies	8	.5
Total		162	6

Clinical Practicum – (Taken when all other courses are completed – including generals)			
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
Total		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.