

Medical Laboratory Technician

Part-time Hybrid E-Degree January Start

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 Spring Semester

Course Number	Course Title	Clock Hours	Credits
BIOL 221	Human Anatomy * (9 labs to attend on campus)	90	4
• 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 Summer Semester

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

First Fall Semester

Course Number	Course Title	Clock Hours	Credits
CHEM 106	Inorganic Chemistry Lecture	45	3
CHEM 106L	Inorganic Chemistry Lab	45	1
MLT 101	Introduction to Medical Laboratory	56	2
MA 115	Medical Terminology	45	3
Total		191	9

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.

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Second Spring Semester

Course Number	Course Title	Clock Hours	Credits
MLT 135	Principles of Phlebotomy	56	2
MLT 201	Immunology	112	4
MICRO 231	General Microbiology *	90	4
Total		258	10

Second Fall Semester

Course Number	Course Title	Clock Hours	Credits
MLT 105	Urinalysis and Body Fluids	98	3.5
MLT 215	Clinical Chemistry	112	4
CSC 100	Computer Concepts	15	1
Total		225	8.5

Third Spring Semester

Course Number	Course Title	Clock Hours	Credits
MLT 116	Hematology I	56	2
MLT 118	Clinical Microbiology I	84	3
MLT 125	Seminar	14	.5
MLT 205	Applied Phlebotomy (Can only be taken after MLT 135)	28	1
CSS 100	Career Search Strategies	8	.5
Total		190	7

Third Fall Semester

Course Number	Course Title	Clock Hours	Credits
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
MLT 221	Immunoematology (Blood Banking)	112	4
Total		252	9

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 Immunoematology (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.