



Medical Laboratory Technician • Part-time Hybrid E-Degree Semester Course Outline • 2025 – 2026

32 Months • Revised: 3/3/25

(6 Part-time Semesters, 1 Summer Session, and 1 Full-time Semester of Clinical Practicum)
Associate of Applied Science (A.A.S.) Degree • Credits Required for Graduation: 71.5

First Fall Semester

Course Number	Course Title	Clock Hours	Credits
MLT 101	Introduction to Medical Laboratory	56	2
MLT 135	Principles of Phlebotomy	56	2
BIOL 221	Human Anatomy * (9 labs to attend on campus)	90	4
Total		202	8

First Spring Semester

Course Number	Course Title	Clock Hours	Credits
MLT 201	Immunology	84	3
MA 115	Medical Terminology	45	3
MICRO 231	General Microbiology *	90	4
Total		219	10

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

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
CHEM 106	Inorganic Chemistry Lecture *	45	3
CHEM 106L	Inorganic Chemistry Lab *	45	1
Total		300	11.5

Second Spring Semester

Course Number	Course Title	Clock Hours	Credits
MLT 116	Hematology I	56	2
MLT 118	Clinical Microbiology I	84	3
• MATH 101 or MATH 114	Intermediate Algebra or College Algebra *	45	3
Total		185	8



Third Fall Semester

Course Number	Course Title	Clock Hours	Credits
MLT 205	Applied Phlebotomy (Can only be taken after MLT 135)	28	1
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		183	7

Third Spring Semester

Course Number	Course Title	Clock Hours	Credits
MLT 125	Seminar	14	.5
MLT 221	Immunohematology (Blood Banking)	112	4
CSS 100	Career Search Strategies	8	.5
• ECON 105 or SOC 100	Leadership in the Global Workplace or Introduction to Sociology *	45	3
Total		179	8

Full-time Semester – Clinical Practicum

Clinical Practicum I, II, and Practicum Correlation will be taken when all previous course work, including General Education courses have been completed.			
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.