



Medical Laboratory Technician

Part-time Hybrid E-Degree • January Start

Semester Course Outline • 2026 – 2027

32 Months • Revised: 2/2/26

(6 Part-time Semesters, 1 Summer Session, 1 Full-time Semester of Clinical Practicum)

Associate of Applied Science (A.A.S.) Degree • Credits Required for Graduation: 69.5

First Spring Semester

Course Number	Course Title	Clock Hours	Credits
MLT 101	Introduction to Medical Laboratory	56	2
MICRO 231	General Microbiology *	90	4
• MATH 101 or MATH 114	Intermediate Algebra or College Algebra *	45	3
Total		191	9

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

First Fall Semester

Course Number	Course Title	Clock Hours	Credits
MLT 135	Principles of Phlebotomy	56	2
BIOL 221	Human Anatomy * (9 labs to attend on campus)	90	4
CHEM 106	Inorganic Chemistry Lecture *	45	3
CHEM 106L	Inorganic Chemistry Lab *	45	1
Total		236	10

Second Spring Semester

Course Number	Course Title	Clock Hours	Credits
MLT 201	Immunology	84	3
MLT 221	Immunoematology (Blood Banking)	112	4
MA 115	Medical Terminology	45	3
Total		241	10



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Second Fall Semester

Course Number	Course Title	Clock Hours	Credits
MLT 105	Urinalysis and Body Fluids	84	3
MLT 205	Applied Phlebotomy (Can only be taken after MLT 135)	30	.5
MLT 215	Clinical Chemistry	112	4
Total		226	7.5

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
CSS 100	Career Search Strategies	8	.5
Total		162	6

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
• ECON 105 or SOC 100	Leadership in the Global Workplace or Introduction to Sociology *	45	3
Total		185	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 Immunochemistry (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.