

MEDICAL LABORATORY TECHNICIAN ASSOCIATE IN APPLIED SCIENCE DEGREE (MLT D249)

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The Medical Laboratory Technician (MLT) program prepares the graduate to assume responsibility in various laboratory settings: medical or non-medical, clinical diagnostic or research, hospital or reference laboratories. The MLT program culminates in an Associate in Applied Science degree. Graduates of the program are eligible for national certification. All potential students must take the prescribed general education classes. Core classes in chemistry, hematology, serology, immunohematology, and microbiology study human diseases and laboratory tests that identify them. Students learn to operate equipment in medical laboratories and perform a wide range of procedures. Didactic and clinical instruction emphasize proper specimen collection and handling, understanding testing procedures, safety, quality control, acquisition of technical skills, and troubleshooting techniques.

Medical Laboratory Technician students must pass all courses in the program, as well as the pre-program courses, with at least a C and maintain a minimum term GPA of 2.0 to proceed through the program.

Pre-Program Requirements:

HEA	1225	Intro. to Medical Terminology	V3
LSC	1101	General Biology I	4

First Semester Credit Hours 17

CHM	1130	General Chemistry I ¹	5
LSC	2110	General Microbiology	4
LSC	2111	Human Anatomy & Physiology I ¹	4
MLT	1201	Introduction to Clinical Lab	2
MLT	1202	Serology/Immunology	2

Second Semester Credit Hours 15

CHM	1132	General Chemistry II	5
LSC	2112	Human Anatomy & Physiology II ¹	4
MLT	1205	Clinical Microbiology	3
MLT	1210	Hematology & Hemostasis	3

Summer Semester Credit Hours 6

ENG	1111	Composition I ¹ OR English Elective	3
SPE	1101	Fundamentals of Effective Speaking ¹ OR	
SPE	1111	Interpersonal Communications ¹	3

Third Semester Credit Hours 16

MLT	2201	Immunochemistry	4
MLT	2205	Clinical Rotation I	3
MLT	2220	Clinical Chemistry	3
MTH	1151	Finite Mathematics ¹ OR Math Elective	3
PSY	1101	General Psychology I ^{1*}	3

Fourth Semester Credit Hours 15

GEN	2297	General Employment Skills ¹	V1
MLT	2202	Advanced Hematology & Hemostasis	3
MLT	2215	Clinical Rotation II	3
MLT	2221	Advanced Clinical Chemistry	3
MLT	2225	Advanced Clinical Microbiology	3
MLT	2230	Professional Seminar	<u>2</u>

Total Credit Hours 69

¹General Education Hours (23-26)

*This course satisfies the IECC human diversity requirement.