

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	3
CHM 1131 General Chemistry I Lab ¹	2
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	3
CHM 1133 General Chemistry II Lab	2
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 Immunohematology	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 Employment Skills ¹	V1
MLT 2202 Adv 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 (20-26)

*This course satisfies the IECC human diversity requirement.