



Medical Laboratory Technician

Medical laboratory technicians work with physicians and other medical professionals to perform tests that help diagnose, prevent, monitor and treat diseases. By collecting and analyzing body fluids, tissue and other substances to determine normal or abnormal findings, medical laboratory technicians are a key member of the healthcare team.

A medical laboratory technician is a dependable, organized and compassionate healthcare worker who carries out laboratory testing that is a vital part of the patient diagnosis process. These specially trained and credentialed professionals generally work under the guidance of a medical technologist or physician.



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Medical Laboratory Technician Course Outline

Semester I					
Course #	Course	Theory	Lab	Extern	Credits
AP 120	Anatomy and Physiology I	45			3.0
BIO 123	General Biology	45			3.0
CMT 120	Medical Terminology	15			1.0
MTH 160	Math for Medical Specialties	30			2.0
MLT 101	Introduction to Medical Lab	30	15		2.5
MLT 112	Instrumentation and Quality Control	15	15		1.5
Semester I Total		180	30		13.0
Semester II					
Course #	Course	Theory	Lab	Extern	Credits
AP 130	Anatomy and Physiology II	30			2.0
CCM 116	Communication for Health Care Professionals	30			2.0
CHM 101	General and Organic Chemistry	30	15		2.5
MLT 122	Microbiology I	30	60		4.0
MLT 141	Clinical Chemistry	30	15		2.5
Semester II Total		150	90		13.0
Semester III					
Course #	Course	Theory	Lab	Extern	Credits
CLE 100	Medical Law and Ethics	15			1.0
MLT 123	Microbiology II	30	45		3.5
MLT 132	Hematology I	30	60		4.0
MLT 162	Immunology and Serology	30	15		2.5
PHL 115	Phlebotomy	15	45		2.5
Semester III Total		120	165		13.5
Semester IV					
Course #	Course	Theory	Lab	Extern	Credits
CMS 101	Career Marketing Strategies	15			1.0
MLT 133	Hematology II	30	30		3.0
MLT 171	Urinalysis and Body Fluids	30	30		3.0
MLT 182	Hemostasis and Coagulation	30			2.0
MLT 201	Immunohematology and Blood Banking	30	60		4.0
Semester IV Total		135	120		13.0
Semester V					
Course #	Course	Theory	Lab	Extern	Credits
MLT 205	Medical Laboratory Review	30	60		4.0
MLT 210	Externship			400	8.5
Semester V Total		30	60	400	12.5
Program Totals		615	465	400	65.0

What You Will Learn

Through Pima Medical Institute's Medical Laboratory Technician program, you'll develop the skills needed for a solid entry-level position as a medical laboratory technician. Our coursework and training focuses on a variety of areas of the laboratory including phlebotomy, hematology, chemistry, microbiology, immunohematology and blood banking.

Job Outlook

According to the U.S. Bureau of Labor Statistics, overall employment of medical laboratory technologists and technicians is projected to grow 5 percent from 2023 to 2033, as fast as average for all occupations. An increase in the aging population is expected to lead to a greater need to diagnose medical conditions, such as cancer or type 2 diabetes, through laboratory procedures.†

Employment

Medical laboratory technicians can expect to work in settings such as hospitals, physician offices, urgent cares, health department labs, drug screen labs and research or independent labs.

Licensure and Certification

Graduates of an accredited Medical Laboratory Technician program will be eligible to apply to take the American Society for Clinical Pathology certification examination. After a successful completion of the exam, the individual will be a Certified Medical Laboratory Technician.

†Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Medical and Clinical Laboratory Technologists and Technicians, on the Internet at <https://www.bls.gov/ooh/healthcare/clinical-laboratory-technologists-and-technicians.htm> (visited January 11, 2025).



- Hands-on training
- Financial aid if qualified
- Career planning services