

MEDICAL LABORATORY TECHNICIAN

Associate Degree
10-513-1

Prepare for a career as medical laboratory technician in hospitals, clinics and doctors' offices. In the laboratory, the MLT and CLT perform analytical procedures under the supervision of a medical technologist or physician. Career potential also exists in epidemiology, forensic medicine and biomedical manufacturing.

The Blackhawk Technical College Medical Laboratory Technician Associate Degree Program is accredited through the National Accrediting Agency for Clinical Laboratory Science (NAACLS), 5600 N. River Rd, Suite 720, Rosemont, IL 60018. Phone: 773-714-8880, email: info@naacils.org.

A combination of fundamental laboratory techniques and clinical experience prepares graduates for work in laboratories serving the health care sector. The final semester of the program is a clinical experience in laboratories in community healthcare facilities. Students must petition to enter the clinical MLT classes, and should anticipate the possibility of traveling to complete the clinical experience.

Graduates of the program qualify for the American Society of Clinical Pathologists Board of Registry certification exam for medical laboratory technicians under the direction of the American Society of Clinical Pathologists.

Suggested courses for program preparation:

- One year of high school chemistry, biology and algebra or college equivalent (see specific requirements listed below).
- Medical terminology or 2 years of occupational experience in the medical field

Program Requirements:

To be admitted to the Medical Lab Technology (MLT) program, the student is required to have mandatory attendance at a Blackhawk Technical College MLT program orientation, High School Chemistry or College Chemistry Prep and High School Algebra or General College Math Review. are required for entrance into the BTC MLT Program

- Once admitted to the program, the following requirements must be met in order to participate in the clinical experience.
- Caregiver background check
- Physical exam and completed personal history form on file prior to the beginning the first semester clinical rotation.
- Successful completion of all program courses with a C or better.

This program is offered at the Monroe Campus.

Program Outcomes

- Apply modern clinical methodologies including problem solving and troubleshooting according to predetermined criteria.
- Collect and process biological and other specimens.
- Perform and report results of clinical laboratory tests.

- Apply laboratory results to diagnosis of clinical conditions and/or diseases.
- Communicate with colleagues and patients in a professional manner.
- Participate in training peers on technical skills.
- Monitor and evaluate quality control in the laboratory.
- Practice laboratory safety and regulatory compliance.
- Perform information processing in the clinical laboratory.
- Model professional behaviors, ethics, and appearance.

Program Completion Three Year Statistics:

Program's Graduate Certification Pass Rates: 69%

Program's Graduation and Attrition Rates: 95.2%

Program's Graduate Placement Rates: 68%

View the entire course listing (<http://catalog.blackhawk.edu/courses>).

Courses taken before semester 1		Credits
513-113	Quality Assurance Laboratory Math	1
	Credits	1
Semester 1		
513-110	Basic Laboratory Skills	1
513-111	Phlebotomy	2
513-115	Basic Immunology Concepts	2
801-195	Written Communication	3
806-177	General Anatomy and Physiology	4
806-199	General, Organic and Biological Chemistry	4
	Credits	16
Semester 2		
506-102	Intermediate Laboratory Skills	3
513-109	Blood Bank	4
513-120	Basic Hematology	3
513-121	Coagulation	1
801-197	Technical Reporting	3
806-197	Microbiology	4
	Credits	18
Summer between year 1 and year 2		
809-196	Introduction to Sociology	3
809-198	Introduction to Psychology	3
	Credits	6
Semester 3		
513-114	Urinalysis	2
513-130	Advanced Hematology	2
513-133	Clinical Microbiology	4
513-170	Introduction to Molecular Diagnostics	2
513-134	Clinical Chemistry	4
	Credits	14
Semester 4		
506-105	Quality Concepts in Laboratories	3
513-140	Advanced Microbiology	2

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513-151	Clinical Experience 1	3
513-152	Clinical Experience 2	4
513-153	Clinical Portfolio	1
	Credits	13
	Total Credits	68

General Education Courses Within Program

Code	Title	Credits
801-195	Written Communication	3
801-197	Technical Reporting	3
806-177	General Anatomy and Physiology	4
806-197	Microbiology	4
806-199	General, Organic and Biological Chemistry	4
809-196	Introduction to Sociology	3
809-198	Introduction to Psychology	3

Associate Degrees and Technical Diplomas are part of a larger model of BTC's Career Pathways which link related academic programs in sequence. Each program within a career pathway offers direct job preparation and a path to the next level of academic programming. To view the connected program model, visit the Medical Laboratory Technician Career Path (<http://catalog.blackhawk.edu/academics/associate-degrees/medical-laboratory-technician/MedLabTechCareerPath.pdf>) (PDF).