

MEDICAL LABORATORY TECHNICIAN



Associate of Applied Science Degree 10-513-1

The Medical Laboratory Technician Associate of Applied Science degree will prepare students to learn fundamental laboratory techniques for work in laboratories serving the health care sector (hospitals, clinics and doctors' offices). Career potential also exists in epidemiology, forensic medicine and biomedical manufacturing. The program provides experience where students learn to perform analytical procedures under the supervision of a medical laboratory scientist or physician. The final semester of the program is a clinical experience in laboratories in community healthcare facilities. 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. Students must petition to request placement in the clinical experience rotation and should anticipate the possibility of traveling to complete the clinical experience.

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

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

This program is offered at the Monroe Campus.

Upon successful completion of this program, students will be able to:

- 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 (2020-23):

Program's Graduate Certification Pass Rates: 83%
Program's Graduation and Attrition Rates: 88%
Program's Graduate Placement Rates: 100%

Semester 1		Credits
513-110	Basic Laboratory Skills	1
513-111	Phlebotomy	2
513-113	Quality Assurance Laboratory Math	1
513-115	Basic Immunology Concepts	2
801-136	English Composition 1	3
806-177	General Anatomy and Physiology	4
806-199	General, Organic and Biological Chemistry	4
Credits		17
Semester 2		
506-102	Intermediate Laboratory Skills	3
513-109	Blood Bank	4
513-120	Basic Hematology	3
513-121	Coagulation	1
801-198	Speech	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
513-116	Clinical Chemistry	4
513-130	Advanced Hematology	2
513-133	Clinical Microbiology	4
513-170	Introduction to Molecular Diagnostics	2
Credits		14
Semester 4		
506-105	Quality Concepts in Laboratories	3
513-140	Advanced Microbiology	2
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
801-136	English Composition 1	3
801-198	Speech	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

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