

# 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 technologist 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 enter the clinical MLT classes, 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 Accrediting Agency for Clinical Laboratory Science (NAACLS), 5600 N. River Rd, Suite 720, Rosemont, IL 60018. Phone: 773-714-8880, email: [info@naacils.org](mailto:info@naacils.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

*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. This orientation occurs in the Summer Quality Assurance Laboratory Math Course, or is scheduled**

**individually if necessary. 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 fourth 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: 81%  
Program's Graduation and Attrition Rates: 100%  
Program's Graduate Placement Rates: 92%

<b>Courses taken before semester 1</b>		<b>Credits</b>
513-113	Quality Assurance Laboratory Math	1
<b>Credits</b>		<b>1</b>
<b>Semester 1</b>		
513-110	Basic Laboratory Skills	1
513-111	Phlebotomy	2
513-115	Basic Immunology Concepts	2
806-177	General Anatomy and Physiology	4
806-199	General, Organic and Biological Chemistry	4
801-136	English Composition 1	3
<b>Credits</b>		<b>16</b>
<b>Semester 2</b>		
506-102	Intermediate Laboratory Skills	3
513-109	Blood Bank	1-4
513-120	Basic Hematology	3
513-121	Coagulation	1
806-197	Microbiology	4
801-198	Speech	3
<b>Credits</b>		<b>15-18</b>
<b>Summer between year 1 and year 2</b>		
809-196	Introduction to Sociology	3
809-198	Introduction to Psychology	3
<b>Credits</b>		<b>6</b>
<b>Semester 3</b>		
513-114	Urinalysis	2
513-130	Advanced Hematology	2
513-133	Clinical Microbiology	4
513-170	Introduction to Molecular Diagnostics	2
513-116	Clinical Chemistry	4
<b>Credits</b>		<b>14</b>
<b>Semester 4</b>		
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	0.05-1
<b>Credits</b>		<b>12.05-13</b>
<b>Total Credits</b>		<b>64.05-68</b>

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

## General Education Courses Within Program

<b>Code</b>	<b>Title</b>	<b>Credits</b>
801-195	Written Communication	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