

MEDICAL LABORATORY TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE

Program Description

This program trains students to analyze human blood, body fluids or tissue samples to detect and diagnose diseases using microscopes, blood analyzers and other scientific equipment.

Mission Statement

The mission of the Medical Laboratory Technology program is to provide the highest-quality learning opportunities, primarily to the residents of Greenville County. Specifically, the program strives to produce graduates who are proficient in the entry-level skills required of a medical laboratory technician. In addition to specific technical skills, graduates have opportunities to acquire competence in critical thinking, problem-solving, written and oral communication, computer technology, teamwork and other skills that enhance their professional careers. Upon completion of the MLT program, students are awarded an Associate in Applied Science degree in Medical Laboratory Technology and are eligible to take a national certification exam. The majority of graduates become employed in a clinical laboratory setting.

Entrance Requirements

High school diploma or GED; high school algebra, biology & chemistry are strongly recommended

See "Program Requirements" Section for additional requirements.

Type of Program

Day

Location

This program is located on Greenville Tech's Northwest Campus.

Employment Opportunities

Hospitals, private offices, blood centers, industrial/pharmaceutical labs

Professional Credentials

Medical Laboratory Technician (subject to passing external certification exam)

Program Accreditation

National Accrediting Agency for Clinical Laboratory Sciences
5600 N. River Road
Suite 720
Rosemont, IL 60018-5119
(773) 714-8880

- Graduates are eligible to sit for the national registry examinations.

Visit our web page at <https://www.gvltec.edu/mlt/>. (https://www.gvltec.edu/academics_learning/health-sciences/medical_laboratory_technology/)

Visit https://www.gvltec.edu/academics_learning/licensure-disclosures/index.html (https://www.gvltec.edu/academics_learning/licensure-disclosures/) for important information concerning educational requirements for professional licensure in a specific state or territory.

Program Requirements

Prior to acceptance students must

- Meet the specific program requirements outlined in the School of Health Sciences admissions requirements.
 - **NOTE:** The TEAS test is no longer required for submission of the weighed admissions form for the MLT program.
- Have completed CHM 100 Introductory Chemistry (Non-Degree Credit) or CHM 110 College Chemistry I* with a grade of "C" or higher.
- Have completed ENG 101 English Composition I* with a grade of "C" or better.
- Have completed BIO 216 Physiology (or BIO 210 Anatomy & Physiology I* and BIO 211 Anatomy & Physiology II*) with a grade of "C" or better.
- Have a cumulative GPA of 2.5 for related courses already taken.
- Complete a Career Talk session for the major within the last year.
- Submit a completed MLT Weighted Admission form between May 15 and June 15. Students are selected based on a weighted admissions process. Students with the highest scores will receive an admissions letter and intent form. Formal acceptance is contingent upon an acceptable criminal background check and a negative drug screening. The program only admits students each fall.
- Have a negative 10-panel drug screen.
- Have an acceptable criminal background check. Students may be subject to more than one background check during the program based on affiliate requirements.
- Students must be able to attend all clinical experiences.

Recommended Program Schedule

Listed below is the ideal grouping of courses in order by semester. This plan assumes a full-time schedule. Note, however, that many variables can affect this plan, and not every course is offered every semester. Please see your advisor to map out your own personalized progression toward graduation.

Note: In addition to the courses listed, students must also complete CHM 100 Introductory Chemistry (Non-Degree Credit) (or higher) as a prerequisite for submitting a weighted admission form for MLT.

First Semester		Hours
BIO 216	Physiology	4
ENG 101	English Composition I	3
Select one of the following: MAT 120 preferred		3
MAT 120	Probability and Statistics	
MAT 109	College Algebra With Modeling	
MAT 110	College Algebra	
Total Semester Hours		10

Second Semester		Hours
MLT 101	Introduction to Medical Lab Technology	2
MLT 130	Clinical Chemistry	4

MLT 115	Immunology	3
MLT 105	Medical Microbiology	4
Total Semester Hours		13
Third Semester		
MLT 120	Immunoematology	4
MLT 110	Hematology	4
MLT 230	Advanced Clinical Chemistry	4
MLT 205	Advanced Microbiology	4
Total Semester Hours		16
Fourth Semester		
MLT 108	Urinalysis and Body Fluids	3
MLT 210	Advanced Hematology	4
MLT 241	Medical Lab Transition	3
Total Semester Hours		10
Fifth Semester		
MLT 251	Clinical Experience I	5
MLT 252	Clinical Experience II	5
Select one of the following: SPC 205 preferred		3
SPC 205	Public Speaking	
SPC 209	Interpersonal Communication	
Humanities/Fine Arts course ¹		3
Total Semester Hours		16
Sixth Semester		
MLT 253	Clinical Experience III	5
MLT 254	Clinical Experience IV	5
Select one of the following:		3
PSY 201	General Psychology	
SOC 101	Introduction to Sociology	
Total Semester Hours		13
Total Required Credit Hours		78

¹ It is strongly recommended that one of the following courses be selected for the 3-hour Humanities elective; SPA 102 Elementary Spanish II or SPA 201 Intermediate Spanish I; PHI 110 Ethics; REL 101 Introduction to Religion

Note: Entry-level foreign language courses (SPA 101 Elementary Spanish I, FRE 101 Elementary French I or GER 101 Elementary German I) are not acceptable.