



McLennan Community College
Medical Laboratory Technician Program

FACTS

General Information

The Medical Laboratory Technician program at McLennan Community College is a two-year Associate of Applied Science degree program, accredited by the National Accrediting Agency for Clinical Laboratory Science (NAACLS). Upon graduating, students are eligible and prepared to sit for the national examination for certification.

Medical Laboratory Technicians (MLTs) are vital members of the healthcare team, uncovering and providing information from laboratory analyses that assists physicians in patient diagnosis and treatment, as well as in disease monitoring and prevention. MLTs use sophisticated biomedical instrumentation and technology, computers, and methods requiring manual dexterity to perform laboratory testing on blood and body fluids. Laboratory testing encompasses such disciplines as clinical chemistry, hematology, immunology, immunohematology, microbiology, and molecular biology. Clinical laboratory science professionals generate accurate laboratory data that are needed to aid in detecting cancer, heart attacks, diabetes, infectious mononucleosis, and identification of bacteria or viruses that cause infections, as well as in detection of drugs of abuse. In addition, MLTs monitor testing quality and collaborate with other members of the healthcare team.

Salaries for MLTs are dependent on level of education, experience, level of responsibility, type of employment, and area of the state or country.

Application Process

The application deadline is July 15 each year.

Minimum Requirements: Completion of all required academic courses from the MLT degree plan with a grade of C or higher. Students must be TSI complete.

All applications for the Medical Laboratory Technician program will be reviewed according published admission criteria. Applicants will be ranked according to a point system. Academic courses must be completed before the application deadline. Meeting the minimum admission criteria does not guarantee admission to the program. All Health Professions students are required to undergo criminal background checks and drug screens. Be aware that a criminal background could prevent you from participation in the MLT program, as well as disqualify you from certification or licensure eligibility. Please contact the program director if you have questions about your background check.



Clinical Training

Students accepted into the Medical Laboratory Technician program will complete clinical (practicum) rotations at different hospitals and health care facilities in the Central Texas region. Travel may be required and it is the student's responsibility to arrange safe, reliable transportation to assigned clinical sites.

A negative drug screen and background check must be completed within 30 days of attending a clinical site rotation. Before attending clinical rotations, the student must provide proof of current immunizations, including tetanus, MMR, varicella, Hepatitis B, and annual flu and TB blood screening test and COVID-19 vaccination. Current CPR-basic life support for healthcare provider certification is required (American Heart Associate or American Red Cross).

Program Advising

Contact the MLT Program Director, Alisa Petree at 254-299-8406 or email apetree@mclennan.edu to schedule an appointment to discuss detailed information concerning admissions, course advising, the program, and the profession.

Costs & Financial Assistance

Current information regarding tuition, fees, books, and uniforms may be obtained from the Program Director.

A variety of financial assistance programs (scholarships, work opportunities, grants, loans) are available for eligible students. For questions related to financial aid, contact Highlander Central in the Enrollment Services Center or go to this link [McLennan Financial Aid](#).

Course Outline

Required Academic Courses:

First Year, Fall Semester

- English 1301 Composition 1
- Biology 2401 Anatomy & Physiology 1
- Chemistry 1405 Introductory Chemistry 1
- Psychology 2301 General Psychology or Sociology 1301 Introduction to Sociology

First Year, Spring Semester

- Biology 2402 Anatomy & Physiology 2
- Any College Speech course, 3 semester hours
- Biology 2420 Microbiology for Non-science Majors
- Math 1314 College Algebra or Math 1342 Elementary Statistical Methods



MLT Program Courses (Taken after admission to the program)

Second Year, Fall Semester

- MLAB 1227 Coagulation
- MLAB 1415 Hematology
- MLAB 2431 Immunohematology
- MLAB 1235 Immunology/Serology
- MLAB 1167 Practicum 1

Second Year, Spring Semester

- MLAB 1211 Urinalysis/Body Fluids
- MLAB 2401 Clinical Chemistry
- MLAB 2534 Clinical Microbiology
- MLAB 2266 Practicum 2

Second Year, Summer Semester

- MLAB 2238 Advanced Topics in MLT
- MLAB 2265 Practicum 3
- MLAB Seminar in MLT

Accreditation

The Medical Laboratory Technician program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences.

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Email: info@naaccls.org or go to this website [NAACLS](http://naaccls.org)

Non-Discrimination Statement

McLennan Community College provides equal opportunities to all individuals and does not discriminate against any individual regardless of race, color, religion, national or ethnic origin, gender, disability, age, veteran status, genetic information, sexual orientation, gender identity, pregnancy, or other legally protected category in its educational programs, activities, or employment.