

Medical Laboratory Technology



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About our program

Located at Greenville Technical College's Northwest Campus, the Medical Laboratory Technology (MLT) program is a combination of classroom and lab instruction. Our MLT lab is an outstanding facility which gives our students confidence when beginning clinical requirements and employment.

GTC's MLT program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences. Greenville Technical College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). This assures transfer destinations and employers of the educational quality a GTC education represents.

Students who complete the MLT program at Greenville Technical College will earn an Associate in Applied Science Degree in Medical Laboratory Technology and are eligible to take the exam to earn national certification.

What is a medical laboratory technician?

The medical laboratory technician works in all areas of the clinical laboratory and searches for clues to the absence, presence, extent and causes of diseases. MLTs are known as the detectives of health care.

The profession is unique because while MLTs usually work in a hospital or other clinical laboratory setting. They have little direct patient interaction. This makes the field more attractive for some.

MLTs are essential members of the health care team. In the laboratory, a highly-skilled medical team of pathologists, specialists, technologists and technicians work together to provide valuable data needed to evaluate the patient. The practice of modern medicine would be impossible without the tests performed in the laboratory. Over 70% of medical decisions made by physicians are based on information obtained from lab tests.



Program Award

- **Medical Laboratory Technology Associate in Applied Science**

Career Opportunities

The Bureau of Labor and Statistics says job opportunities for medical laboratory technicians are expected to grow 30% between 2012 and 2022. As with many health care professions, this increase is due to our aging population. Growth is also driven in part by changes in health care at the federal level which has given more people access to medical care with rising demand for laboratory services.

An MLT may work in these or other settings:

- Hospital laboratory
- Physician office laboratory
- Reference laboratory
- Fertility clinic
- Pharmaceutical company
- Research laboratory
- Veterinary laboratory

Some of What You'll Learn

Chemistry – the analysis of dissolved substances in blood stream (glucose, lipids, etc.)

Microbiology – the identification of pathogenic organisms in the body

Hematology – the identification of cells (red cells, white cells, platelets) present in the blood stream

Immunology – the reaction of the body to foreign substances (bacteria, viruses, etc.)

Blood Banking – the selection of blood for transfusion

Requirements to become a medical laboratory technician

- You need to have a solid background in biology, chemistry, math and computer science.
- You must earn an associate degree and complete a NAACLS accredited medical laboratory technician program.
- You need to pass a national certification examination given by the American Society of Clinical Pathologists (ASCP) Board of Certification

Successful medical laboratory technicians

- are problem solvers
- like challenge and responsibility
- have good dexterity and hand-eye coordination
- are accurate and reliable
- work well under pressure
- communicate well
- set high standards for themselves