

Associate in Applied Science Degree

MEDICAL LABORATORY TECHNOLOGY

Medical Laboratory Technology is a field for people who are interested in science and working with their hands. Medical Laboratory Technicians (MLT) are detail-oriented problem solvers. They want to help patients in a medical setting but prefer to have limited patient contact. MLT's enjoy working with their hands, technical instruments, and communicating with other medical professionals. This medical laboratory role is challenging and requires life-long learning.

The Associate in Applied Science in Medical Laboratory Technology degree prepares students to be able to perform laboratory tests automated and manual testing following detailed instructions; trains and educates students to analyze human blood, body fluids, or tissue samples to detect and diagnose diseases using microscopes, blood analyzers, and other scientific equipment. An MLT is also qualified to analyze data and relay the results to physicians after testing and examining a specimen. This data obtained can be utilized by healthcare providers to diagnosis, treat, and prevent illnesses.

Graduates of the program are eligible to take the American Society for Clinical Pathology – Board of Certification (ASCP-BOC) exam. To be certified as a Medical Laboratory Technician the graduate must pass the ASCP-BOC generalist certification examination. The cost of completing this examination is not included in the cost of tuition for the program. Becoming a MLT (ASCP) will help them procure employment in hospital and private laboratories (clinical or research) or physician office labs.

PROGRAM INFORMATION

Specific Admission Requirements for Program

The Medical Laboratory Technology (MLT) program is a limited-access program. All applicants must meet college admission requirements published deadline. After admission to HGTC the applicant and prior to admission into the MLT program you must attend an MLT Information Session. You can register for this session by emailing the Program Director, Sandra Wetter (sandra.wetter@hgtc.edu). However, meeting admission requirements does not guarantee admission to the MLT program. An applicant who receives notification that she/he was not admitted to the MLT program must resubmit the MLT Program Application by the published application deadline to be considered for admission to the next available class. These applicants should check with Admissions to determine if HGTC Admission information requires updating. A waiting list of applicants is not maintained.

- 30 days prior to the first semester you must complete:
 - Criminal Background Check
- Attendance at an MLT Mandatory Information Session.
- Submit a Health Sciences Division Student Health Record Form indicating the candidate can perform the physical tasks required in the program.
- Student must have reliable transportation for rotations to different clinical sites in Horry and Georgetown counties.
- 30 days prior to the fourth semester student must complete:
 - Criminal Background Check
 - Urine Drug Screen
 - Completion of the General Hospital Orientation (GHO)
 - Proof of CPR certification for Health Care Providers
 - Purchase MLT program uniforms.
- GPA of 2.0 or higher on all required General Education and support courses, with "C" or higher in each course. These courses include: BIO 112 (5 year time limit), ENG 101, MAT 120, PSY 201 and Humanities. Minimum cumulative 2.0 GPA must be maintained with no academic or disciplinary suspension at time of admission or program entry.
- Note: The MLT program does not accept experiential credit for courses with an MLT prefix.
- To be certified as a Medical Laboratory Technician the graduate must pass the ASCP-BOC generalist certification examination. The cost of completing this examination is not included in the cost of tuition for the program.

Course Sequence and Progression Requirements

A minimum grade of "C" or better is required for all MLT-prefixed courses for progression and graduation.

CURRICULUM SEQUENCE

First Semester - Fall

BIO 112*	Basic Anatomy & Physiology	4
ENG 101	English Composition I	3
MAT 120	Probability and Statistics	3
MLT 102	Medical Laboratory Fundamentals	3
MLT 105	Medical Microbiology	4

(Continued)

	TOTAL	17
Second Semester - Spring		
MLT 205	Advanced Medical Microbiology	4
MLT 115	Immunology	3
MLT 210	Advanced Hematology	4
MLT 131	Clinical Chemistry I	3
	TOTAL	14
Third Semester - Summer		
MLT 108	Urinalysis & Body Fluids	3
MLT 120	Immunoematology	4
MLT 230	Clinical Chemistry II	4
	TOTAL	11
Fourth Semester - Fall		
PSY 201	General Psychology	3
MLT 251	Clinical Experience I	5
MLT 252	Clinical Experience II	5
	TOTAL	13
Fifth Semester - Spring		
MLT 253	Clinical Experience III	5
MLT 254	Clinical Experience IV	5
	Humanities or Fine Arts Elective**	3
	TOTAL	13
	TOTAL CREDIT HOURS	68

*May substitute BIO 210 for BIO 112.

**For transfer to senior institutions, students should select HIS 201 to satisfy Reach Act requirements.