

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.

Admissions 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. 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 - felony or misdemeanor convictions could result in applicants being ineligible to complete the program.
- Submit a Health Sciences Division Student Health Record Form indicating the candidate has the ability to perform the physical tasks required in the program.

30 days prior to the fourth semester student must complete:

- Criminal Background Check - felony or misdemeanor convictions could result in applicants being ineligible to complete the program.
- Urine Drug Screen
- Completion of the General Hospital Orientation (GHO)
- Proof of CPR certification for Health Care Providers

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), CHM 105, 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.

Student must have reliable transportation for rotations to different clinical sites in Horry and Georgetown counties.

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.

Required Courses

Medical Laboratory Technology Requirements

DEGREE REQUIREMENTS: MEDICAL LABORATORY TECHNOLOGY

Component

Course Title

Semester

Credit Hours

(Continued)

GENERAL EDUCATION

ENG 101	English Composition I	3
PSY 201	General Psychology	3
BIO 112*	Basic Anatomy and Physiology	4
CHM 105*	General Organic & Biochemistry	4
MAT 120	Probability and Statistics	3

and**Select one Humanities/Fine Arts course from the list below:**

ART 101	Art History and Appreciation	3
ART 105	Film as Art	3
ENG 201	American Literature I	3
ENG 202	American Literature II	3
ENG 205	English Literature I	3
ENG 206	English Literature II	3
ENG 208	World Literature I	3
ENG 209	World Literature II	3
ENG 230	Women in Literature	3
ENG 236	African American Literature	3
HIS 101	Western Civilization to 1689	3
HIS 102	Western Civilization Post 1689	3
HIS 201	American History: Disc to 1877**	3
HIS 202	American History: 1877 to Pres	3
MUS 105	Music Appreciation	3
PHI 101	Introduction to Philosophy	3
PHI 110	Ethics**	3
PHI 201	History of Philosophy	3
REL 103	Comparative Religion	3
SPA 201	Intermediate Spanish I	3
SPA 202	Intermediate Spanish II	3
THE 101	Introduction to Theatre	3

CREDITS 20**Required Core Subject Areas**

MLT 105	Medical Microbiology	4
MLT 120	Immunohematology	4
MLT 230	Advanced Clinical Chemistry	4
MLT 210	Advanced Hematology	4

CREDITS 16**OTHER HOURS REQUIRED FOR GRADUATION**

MLT 102	Medical Laboratory Fundamentals	3
MLT 205	Advanced Microbiology	4
MLT 115	Immunology	3
MLT 131	Clinical Chemistry I	3
MLT 108	Urinalysis & Body Fluids	3
MLT 251	Clinical Experience I	5

(Continued)

MLT 252	Clinical Experience II	5
MLT 253	Clinical Experience III	5
MLT 254	Clinical Experience IV	5
	CREDITS	36
	TOTAL CREDIT HOURS	72

*May substitute BIO 210 for BIO 112, and CHM 110 for CHM 105.

**Recommended students take PHI 110 for Humanities/Fine Arts elective. For transfer to senior institutions, students should select HIS 201 for Humanities/Fine Arts to satisfy Reach Act requirements.

COURSE TIME LIMITS:

- 5-year time limit (or 10-year time limit, if the student has a Bachelor's or Master's degree) on BIO 112, BIO 210, CHM 105, and CHM 110.
- 10-year time limit exists on MAT 120.
- 2-year maximum time limit on all MLT courses.