

Southern West Virginia 2022-2023 Southern Academic Catalog Community Technical College

Medical Laboratory Technology, A.A.S.

Purpose

The Medical Laboratory Technology Program at Southern West Virginia Community and Technical College was developed to fulfill southern West Virginia's need for qualified Medical Laboratory Technicians (MLT). There is a growing demand for Medical Laboratory Technicians in West Virginia as well as the country. These professional and competent laboratory personnel who are certified to examine and analyze laboratory specimens are essential to the delivery of quality health care. Although graduates generally work in hospitals, clinics, or doctor's offices, opportunities also exist in commercial or pharmaceutical industries, scientific research, and infection control in both the public and private sectors. Southern's program aims at helping students attain the basic knowledge and skills necessary to begin their career in the field of Medical Laboratory Technology.

The full Medical Laboratory Technology Program is available on the Logan Campus. The Boone/Lincoln, Williamson, and Wyoming/ McDowell campuses offer the general education/program support courses only.

For a better understanding of the physical and mental requirements related to the job performance duties of this profession, students should review the Medical Laboratory Technology Program's technical/academic standards.

Program Level Outcomes:

1. Graduates will demonstrate skills, knowledge and proper attitudes to realize a career as entry level Medical Laboratory Technicians in hospitals and other health care environments.
2. Graduates must demonstrate professionalism and conduct that reflects safe, legal, and ethical behavior.
3. Graduates will have the necessary knowledge to be able to pass a national certification examination.
4. Graduates must be able to communicate in a facilitative, purposeful and respectful manner with patients, families, colleagues, and other members of the health care team.
5. Graduates will have knowledge of prospective job information in an effort to achieve 100% placement within 3 months of graduation or for continuing their undergraduate education in medical technology or other field of their choice.

First Semester

- [BS 124 - ^Human Anatomy and Physiology I](#) 4 Credit Hours
- [CH 203 - ~Fundamentals of Chemistry](#) 4 Credit Hours ¹
- [ML 100 - Introduction to Clinical Laboratory Operations](#) 2 Credit Hours
- [ML 101 - Clinical Hematology](#) 5 Credit Hours
- [ML 104 - Laboratory Applications](#) 2 Credit Hours ²

Credit Hours: 17

Second Semester

- [BS 125 - ^Human Anatomy and Physiology II](#) 4 Credit Hours
- [EN 101 - ~English Composition I](#) 3 Credit Hours ²

- [ML 102 - Clinical Chemistry](#) 5 Credit Hours
- [ML 103 - Immunohematology and Serology](#) 5 Credit Hours

Credit Hours: 17

Summer Semester

- [ML 200 - Phlebotomy Practicum](#) 1 Credit Hours

Credit Hours: 1

Third Semester

- [AH 203 - Communication Skills for the Health Care Professional](#) 1 Credit Hours ¹
- [ML 201 - Urinalysis and Body Fluids](#) 2 Credit Hours
- [ML 202 - Clinical Microbiology](#) 5 Credit Hours

- [PY 218 - ~Life-Span Developmental Psychology](#) 3 Credit Hours
or
- [SO 200 - ~Introduction to Sociology \(M\)](#) 3 Credit Hours

Credit Hours: 11

Fourth Semester

- [ML 205 - MLT Seminar](#) 2 Credit Hours
- [ML 210 - MLT Clinical Practicum](#) 12 Credit Hours

Credit Hours: 14

Total Credit Hours: 60

~ Designates courses on the statewide Core Coursework Transfer Agreement.

^ Denotes course equivalency.

¹Students planning to continue their studies toward a BS in Medical Laboratory Science are advised to take ^[CH 213](#), ^[CH 214](#), and ~[SP 103](#) in place of or in addition to these courses or consult the institution to which they plan to transfer.

²Students planning to continue their studies toward a BS in Medical Laboratory Science are advised to take ~[MT 130](#) and ~[EN 102](#) or ~[EN 201](#) in addition to these courses or consult the institution to which they plan to transfer.
