



MEDICAL LABORATORY TECHNOLOGY

Health Sciences

PROGRAM OVERVIEW

The Medical Laboratory Technician (MLT) curriculum prepares individuals through online coursework, on-campus labs, and clinical experience to perform clinical laboratory procedures in chemistry, hematology, microbiology, and immunohematology. These procedures are to be used in the maintenance of health and the diagnosis and treatment of disease.

Course work emphasizes mathematical and scientific concepts related to specimen collection, laboratory testing and procedures, quality assurance, and reporting/recording and interpreting findings involving tissues, blood, and body fluids.

Graduates are eligible to take the MLT certification examination given by the American Society of Clinical Pathologist Board of Certification. Employment opportunities include laboratories in hospitals, physician offices, industry and research facilities, sales and education.

PROGRAM HIGHLIGHTS

Students should enroll in the MLT program at Southwestern Community College because it is a NAACLS accredited program and is available online to students across the U.S. Students have the flexibility of doing the program from their home town and performing lab skills and clinical rotations in their geographical area. Never has going back to school been so convenient.

WHY SOUTHWESTERN

- The MLT program is a NAACLS (National Accrediting Agency for Clinical Laboratory Sciences) accredited program available to students from across the United States.
- Students may complete the majority of this program online! Lecture courses are completed from home, while labs are offered concurrently and can be completed on campus or in the student's geographical area at a pre-approved clinical facility.
- During clinical education, students rotate through all departments of the laboratory including: Hematology, Hemostasis, Chemistry, Microbiology, Phlebotomy, Serology, Urinalysis, and Blood Bank.
- Clinical rotations take place in the second year of the program and may be completed in the student's geographical area at an approved clinical facility/affiliate.
- Students can complete the program part-time over a three or four year period instead of two years.

AFTER GRADUATION

Upon successful completion of this program, graduates will be able to perform lab testing and report results to physicians for diagnosis and treatment. They will also be prepared to enter related sales, industry and research fields. Lastly, graduates are eligible to take the national certification exam for Medical Laboratory Technology.

ADMISSION

The program has a limited enrollment and only admits one class each year, typically in the fall semester. Criteria Applications must be completed by March 1. Please check with the Admissions Office about the status of the program.

EMPLOYMENT OPPORTUNITIES EXIST IN:

- Hospital Laboratories
- Public Health Laboratories
- Industrial Medical Laboratories
- Pharmaceutical Companies
- Medical Research Facilities
- United States Armed Forces
- Private Physician's Offices
- Universities

Most medical laboratory technicians work in hospital laboratories under the supervision of medical technologists.

TOP RECENT EMPLOYERS

- Angel Medical Center
- Harris Regional Hospital
- Haywood Regional Medical Center
- Local area doctor's offices
- Mission St. Joseph's Healthcare System

NC STATE ESTIMATED ENTRY WAGE

\$28,870 - \$41,059

* Based on ESC Report

PROGRAM CONTACT INFORMATION

Health Sciences Division
1.800.447.4091 ext. 305
828.339.4305

Admissions Office
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www.southwesterncc.edu/mlt

ASSOCIATE IN APPLIED SCIENCE DEGREE (AAS)

A45420

FALL SEMESTER 1

<u>Prefix</u>	<u>Number</u>	<u>Title</u>	<u>Class</u>	<u>Lab</u>	<u>Clinical</u>	<u>Credit</u>
*BIO	111	General Biology I	3	3	0	4
**MLT	110	Introduction to MLT	2	3	0	3
MLT	116	Anatomy & Medical Terminology	5	0	0	5
**MLT	253	MLT Practicum I (Phlebotomy clinic)	0	0	9	3
PSY	150	General Psychology	<u>3</u>	<u>0</u>	<u>0</u>	<u>3</u>
		Totals	13	6	9	18

Note:

1. Students successfully completing the first semester MLT courses and PSY 150 are eligible to take the national certification exam for phlebotomy.
2. The weekly hours for class/lab/clinical are based on a 16 week semester. Weekly hour requirements will increase if course is offered over a period less than 16 weeks.

SPRING SEMESTER 1

MLT	118	Medical Lab Chemistry	3	0	0	3
MLT	120	Hematology/Hemostasis I	3	3	0	4
MLT	125	Immunohematology I	4	3	0	5
MLT	140	Introduction to Microbiology	<u>2</u>	<u>3</u>	<u>0</u>	<u>3</u>
		Totals	12	9	0	15

SUMMER SEMESTER 1

ENG	111	Expository Writing	3	0	0	3
***	***	Humanities Elective	<u>3</u>	<u>0</u>	<u>0</u>	<u>3</u>
		Totals	6	0	0	6

FALL SEMESTER 2

ENG	114	Professional Research & Reporting	3	0	0	3
MLT	111	Urinalysis & Body Fluids	1	3	0	2
MLT	130	Clinical Chemistry I	3	3	0	4
MLT	220	Hematology/Hemostasis II	2	3	0	3
MLT	240	Special Clinical Microbiology	<u>2</u>	<u>3</u>	<u>0</u>	<u>3</u>
		Totals	11	12	0	15

***SPRING SEMESTER 2

MLT	215	Professional Issues	1	0	0	1
MLT	263	MLT Practicum II (Hematology/Hemostasis)	0	0	9	3
MLT	271	MLT Practicum III (Urinalysis/Serology)	0	0	3	1
MLT	272	MLT Practicum III (Chemistry)	0	0	6	2
MLT	273	MLT Practicum III (Immunohematology)	0	0	9	3
MLT	274	MLT Practicum III (Microbiology)	<u>0</u>	<u>0</u>	<u>12</u>	<u>4</u>
		Totals	1	0	39	14

Total Semester Hour Credits: 68

* BIO 111, General Biology (minimum 4 credits) is not available online through SCC. It may be taken on the Jackson Campus or through another local college or university. Credits earned at another college must be transferred to SCC.

** MLT 110 in Fall Semester 1 runs for first 8 weeks of the semester. MLT 253 in Fall Semester 1 runs for the latter 8 weeks of the Fall semester.

***Spring Semester 2, the student will spend the full 16 weeks (39 hours/week) in clinical rotations along with completing the MLT 215 course (1 hour/week) online. The clinical rotations will consist of the following: Hematology/Hemostasis, Urinalysis/Serology, Chemistry, Immunohematology and Microbiology.

FACULTY

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