

Medical Laboratory Science

Faculty/Staff

Arthur Schwarz, Advisor and Chair, Department of Biological Sciences

Program

Southwestern Adventist University offers a Bachelor of Science degree (131-138 semester hours) in Medical Laboratory Science. This degree is offered in affiliation with [Tarleton State University](#) in Fort Worth, Texas, or [Andrews University](#) in Berrien Springs, Michigan. The first three years are completed at the Southwestern Adventist University campus. The fourth-year (12-14 months) of the program consists of clinical training to be completed at one of the affiliated hospital-based programs. Tarleton State University starts classes in July and January and may require additional prerequisite classes such as physics and biochemistry. Andrews University classes start in June. The program is accredited by the Council on Allied Health Education and Accreditation in conjunction with the National Accrediting Agency for Medical Laboratory Science.

Each student must apply to the hospital training program of his/her choice, preferably early in the junior year. Acceptance into the Southwestern Adventist University program and declaration as a Medical Laboratory Science major does not imply that the student will be accepted for the senior clinical year by an affiliated hospital program. The student is encouraged to maintain a science and an overall grade point average of 3.0 (on a four-point scale) or higher. The criteria for student selection by an affiliated hospital institution include scholastic ability, completed application materials, letters of reference, and a personal interview. At least 30 of the last 36 semester hours of academic work taken prior to the senior clinical year must be taken in residence at Southwestern Adventist University. Sixteen of the 32 hours must be science courses. English as a Second Language courses are not applicable toward residency.

Medical Laboratory Science Degrees and Certificates

B.S. Medical Laboratory Science

The Medical Laboratory Science (MLS) Program is suitable for students who would like to work behind the scenes in a medical laboratory setting to aid care teams in patient diagnosis. Such students develop a high degree of proficiency and accuracy in the medical laboratory. Certified Medical Laboratory Scientists are in high demand to work in medical laboratories, and many go on to further their education in medical school.

[General Education Requirements for all Bachelor's degrees](#)

[Quality Enhancement Plan \(QEP\) Requirement](#)

Required Courses

Item #	Title	credits
BIOL 111	General Biology I	4
BIOL 112	General Biology II	4
BIOL 318	Microbiology & Immunology	4
BIOL 320	Genetics	4
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
CHEM 231	Organic Chemistry I	4
CHEM 232	Organic Chemistry II	4
	MATH 141 or 180	3-4

Recommended Courses

Item #	Title	credits
BIOL 455	Immunology	3
CHEM 431	Biochemistry I	3
PHYS 121	General Physics I	4
PHYS 122	General Physics II	4

Senior Year

Click here to link to [Andrews University Medical Laboratory Science](#) page for a complete list of classes taken during Senior year.

Click here to link to [Tarleton State University Medical Laboratory Science](#) page for a complete list of classes taken during Senior year.

Total credits: 120-150

Category Descriptions

MATH 141 or 180

Credits: 3-4

Item #	Title	credits
MATH 141	Introduction to Probability and Statistics	3
MATH 180	Precalculus	4