

# MEDICAL LABORATORY TECHNOLOGY, ASSOCIATE IN SCIENCE DEGREE

The mission of the Associate in Science in Medical Laboratory Technology (MLT) program at Lake Sumter State College is to provide access to affordable, high-quality, didactic and clinical instruction in order to prepare students to work as competent medical laboratory technicians in all routine areas of the clinical laboratory. Successful completion of this program qualifies students to apply for a Medical Laboratory Technician License in the state of Florida and to take the national certification examinations (ASCP, AAB, and/or AMT). The program is committed to producing well-qualified, committed, ethical technicians to serve Central Florida and beyond.

*Acceptance into the Associate in Science in Medical Laboratory Technology program includes additional requirements. Interested students should contact the Health Professions Programs Student Coordinator or the MLT Program Director for more information.*

## Academic Advising

- [advising@lssc.edu](mailto:advising@lssc.edu) 352-787-3747

## Career Development Services

- [Careers@lssc.edu](mailto:Careers@lssc.edu) 352-323-3603

## Program Contact Information

- Monsavahn Lithila, MLT Program  
Director [healthprofessions@lssc.edu](mailto:healthprofessions@lssc.edu) 352-536-2269

## Program Requirements

Code	Title	Hours
<b>General Education Courses-Prerequisites Phase</b>		
ENC 1101	College Composition I	3
See Choices: Select a State Core Course from Area II: Humanities <sup>1</sup>		
AMH 2010	U.S. History to 1877 (Or)	3
AMH 2020	U.S. History Since 1877 (Or)	
POS 2041	American National Government	
See Choices: Select a State Core Course from Area IV: Mathematics <sup>1</sup>		
BSC 2085C	Human Anatomy & Physiology I with Lab	4
BSC 2086C	Human Anatomy & Physiology II with Lab	4
or BSC 1010C	General Biology I w/Lab	
CHM 1025C	Introductory Chemistry w/Lab	4
MCB 2010C	Microbiology w/Lab	4
<b>Technical Education Phase</b>		
MLT 1040C	Phlebotomy	3
MLT 1022C	Introduction to Medical Laboratory Technology	4
MLT 1300C	Hematology I	4
MLT 1401C	Medical Microbiology	6
MLT 1500C	Immunology and Serology	3
MLT 1302C	Hematology II	4
MLT 1610C	Clinical Chemistry	4
MLT 1525C	Immunohematology	4

MLT 1221C	Urinalysis and Body Fluids	3
<b>Clinical Education Phase</b>		
MLT 2800L	Clinical Practicum I-Core Laboratory	4
MLT 2807L	Clinical Practicum II-Blood Banking	4
MLT 2811L	Clinical Practicum III-Microbiology	4
MLT 2930	Medical Laboratory Technology Capstone	1
<b>Total Hours</b>		<b>76</b>

<sup>1</sup> See course options. (<https://lssc-public.courseleaf.com/academic-programs/general-education-requirements/>)

Note: Students are required to successfully complete MAT 1033 Intermediate Algebra or place into a higher math course to satisfy the prerequisite of CHM 1025C Introductory Chemistry w/Lab.

Students should make an appointment to meet with the Program Director to discuss the program prior to enrolling.

Only required courses for an LSSC degree or qualifying certificate are eligible for federal financial aid. Verify course choices and avoid charges by making an appointment with an academic advisor.

## Civic Literacy Requirement

As per the amended Florida Rule 6A-10.02413, prior to the award of a specialized associate in arts transfer degree, associate in arts, associate in science, or baccalaureate degree, LSSC students under the 2022-2023 Catalog and thereafter must demonstrate competency in civic literacy through one of the following options prior to graduation:

- successfully passing POS 2041 American National Government or AMH 2020 U.S. History Since 1877, or AMH 2010 U.S. History to 1877 (beginning Fall 2024 forward), or AMS 2010 Civil Discourse and the American Political Order and achieving a 60% or higher on the Florida Civic Literacy Exam , or
- successfully passing a prescribed assessment:
  - AP Government & Politics Test: United States (passing score of 3), or
  - AP U.S. History Test (passing score of 4), or
  - CLEP: American Government (passing score of 50)
  - CLEP: History of the United States I (passing score of 50)

To verify your Civic Literacy Requirement, please visit Degree Works (<https://degreeworks.lssc.edu/>)

Students must earn a grade of "C" or higher in all courses in order to qualify for graduation.

For information about career options, visit [www.lssc.edu/careers](http://www.lssc.edu/careers) (<https://www.lssc.edu/student-resources/career-development-services/>)

Students must complete 25% of each program's total credit hours at LSSC.