

MEDICAL LABORATORY TECHNOLOGY, ASSOCIATE IN SCIENCE DEGREE

The mission of the Associate in Science in Medical Laboratory Technology (AS-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 their advisor or the MLT program administrator for more information.

Academic Advising

- advising@lssc.edu 352-787-3747

Career Development Services

- Careers@lssc.edu 352-323-3603

Program Contact Information

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Full-Time

Course	Title	Hours
Prerequisite First Semester		
MAC 1105	College Algebra ¹	3
BSC 2085C	Human Anatomy & Physiology I with Lab ¹	4
CHM 1025C	Introductory Chemistry w/Lab ¹	4
POS 2041 or AMH 2020	American National Government or U.S. History Since 1877	3
Hours		14
Prerequisite Second Semester		
BSC 2086C	Human Anatomy & Physiology II with Lab ¹	4
MCB 2010C	Microbiology w/Lab ¹	4
ENC 1101	College Composition I	3
HUM 2020	Introduction to Humanities: Antiquity through the 21st Century	3
Hours		14
First Semester		
MLT 1022C	Introduction to Medical Laboratory Technology	4
MLT 1300C	Hematology I	4
MLT 1401C	Medical Microbiology	6
Hours		14
Second Semester		
MLT 1302C	Hematology II	4
MLT 1525C	Immunohematology	4
MLT 1500C	Immunology and Serology	3
MLT 1221C	Urinalysis and Body Fluids	2
Hours		13

Summer		
MLT 1610C	Clinical Chemistry	6
Hours		6
Third Semester		
7-Weeks: A		
MLT 2800L	Clinical Practicum I-Core Laboratory	4
MLT 2807L	Clinical Practicum II-Blood Banking	4
7-Weeks: B		
MLT 2811L	Clinical Practicum III-Microbiology	4
MLT 2930	Medical Laboratory Technology Capstone	3
Hours		15
Total Hours		76

¹ Prerequisite Course(s)

Acceptance into the MLT program is required prior to taking MLT courses.

Program Requirements

Code	Title	Hours
General Education Courses-Prerequisites Phase		
ENC 1101	College Composition I	3
See Choices	Select a State Core Course from Area II: Humanities	3
AMH 2020 or POS 2041	U.S. History Since 1877 American National Government	3
See Choices	Select a State Core Course from Area IV: Mathematics	3
BSC 2085C	Human Anatomy & Physiology I with Lab	4
BSC 2086C or BSC 1010C	Human Anatomy & Physiology II with Lab General Biology I w/Lab	4
CHM 1025C	Introductory Chemistry w/Lab	4
MCB 2010C	Microbiology w/Lab	4
Technical Education Phase		
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	6
MLT 1525C	Immunohematology	4
MLT 1221C	Urinalysis and Body Fluids	2
Clinical Education Phase		
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	3
Total Hours		76

Note: Students are required to take the MAT 1033 Intermediate Algebra or place higher as the prerequisite of CHM 1025C Introductory Chemistry w/ Lab.

When beginning this program, student should make an appointment with the advising program manager.

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.

As per the amended Florida Rule 6A-10.02413, prior to the award of an associate in science or associate in applied science 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 American National Government or AMH 2020 U.S. History Since 1877 U.S. History Since 1877 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)

To verify your Civic Literacy Requirement, please visit Degree Works.

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

For information about career options, visit 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.