“Research has shown that at least 70% of all medical decisions rely on some sort of laboratory data.”
Program Requirements

- Minimum 2.5 GPA required to apply
- Completion of prerequisite courses if needed
- Proof of certification
- Official transcripts
- Two (2) letters of recommendation
- Proof of employment

This online career-ladder track enables medical laboratory technicians (MLTs) to advance their education through a series of online courses and completion of tasks listed in the various areas of medical laboratory science.

MLS Online Curriculum

The online program allows certified MLTs who are currently employed at an approved site to pursue a B.S. degree in medical laboratory science. The program graduate will be able to satisfy the educational and clinical requirements for professional certification examination at the medical laboratory scientist level.

Current and continued employment at a facility that will verify your lab-based (task lists) competencies is required.

MLS 319: Clinical Chemistry Review
MLS 203: Clinical Calculations
MLS 311: MLT to MLS Transition
MLS 401: Body Fluids
MLS 402: Clinical Bacteriology II
MLS 403: Mycology
MLS 405: Clinical Parasitology
MLS 406: Clinical Hematology I
MLS 407: Clinical Immunodiagnosics I
MLS 408: Clinical Immunohematology
MLS 409: Clinical Chemistry II (Senior Capstone)
MLS 410: Special Chemistry
MLS 411: Coagulation
MLS 412: Principals of Clinical Administration/Education

Additional electives and prerequisite courses may be needed to fulfill the general education curriculum at The University of Southern Mississippi.

General Education Curriculum includes the following:
- English Composition I, II
- World Literature
- Technical Writing
- College Algebra
- Social Sciences
- Fine Arts Appreciation Elective
- World Civilization I, II
- Computer Concepts