

Medical Laboratory Science | Bachelor's Degree

| | FIRST YEAR | MIDDLE YEARS | LAST YEARS |
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| ADVANCE your academic journey | <p>Explore majors with a MyMajors assessment.</p> <p>Meet with a First Year Advisor to develop your academic planning.</p> <p>Complete required courses to be considered for MLS program admission.</p> <p>Pre-MLS majors should complete the MLS Program prerequisite science and math courses in the first two years [freshman and sophomore].</p> | <p>Complete the MLS Admission Module and Quiz to be contacted with an application to the MLS program.</p> <p>Meet with the Health Professions Advising Center for questions about the major.</p> <p>Explore external scholarship opportunities such as the Fulbright Scholarship to take your expertise to unique locations abroad.</p> <p>Seek scholarship opportunities offered by the College of Health Professions.</p> <p>Share your knowledge as a Peer Mentor or Tutor at SLAC.</p> <p>Explore Campus Resources for academic and personal support.</p> | <p>Check your Degree Audit & meet with your academic advisor.</p> <p>Understand the Clinical Rotation requirements before participation.</p> <p>Explore next steps including potential graduate programs.</p> <p>Complement your degree with a micro credential.</p> <p>Meet with a faculty mentor or peer advisor.</p> |
| EXPAND your personal and social development | <p>Join MLS student organizations or committees to build connections while learning.</p> <p>Visit or make an appointment with the MLS Program Chair with faculty to discuss summer internships, research opportunities, and employment opportunities.</p> <p>Review your degree plan for courses that include the Service-Learning Excellence program.</p> <p>Find additional events and organizations through the Bobcat Organization HUB.</p> | <p>Explore MLS-related scholarships, grants and other opportunities.</p> <p>Consider the College of Health Professions Study Abroad Program to experience different cultures while gaining hands-on skills in your field.</p> <p>Discover Global Online Learning Experiences for courses with culturally dynamic perspectives.</p> <p>Join your peers in an MLS community service activity.</p> <p>Participate in The Big Event to give back to the regional community.</p> | <p>Participate in the College of Health Professions Research Forum.</p> <p>Take the certification examination as a Medical Laboratory Scientist (MLS) of the Board of Certification of the American Society for Clinical Pathology (ASCP) immediately after you graduate.</p> <p>Select a service activity through Student Involvement to give back to the area community.</p> <p>Seek out a leadership role with the Leadership & Service program.</p> |
| ENRICH your practical competence | <p>Explore the TXST One Stop for more information about the scholarships provided to new and continuing students.</p> <p>Attend an IDEA Center workshop to learn more about undergraduate research.</p> <p>Explore the Honors College for more information about courses, opportunities, and scholarships.</p> | <p>Check out MLS internship opportunities for admitted MLS students.</p> <p>Attend a conference related to a professional organization for clinical laboratory science.</p> <p>Check out the National Science Foundation (NSF) Research Experiences for Undergraduates (REU) Summer Program.</p> <p>Review micro internship opportunities for professional development in which you learn and earn.</p> | <p>Learn about Global Career Accelerator options that give you experience with global companies and in-demand tech skills.</p> <p>Deliver a presentation in a student conference, workshop, seminar or community organization.</p> <p>Participate in Career and Graduate School Fairs.</p> <p>Volunteer in your local community, especially for healthcare related events.</p> |
| ELEVATE your career and professional life | <p>Complete your Career Assessments, such as Focus2</p> <p>Create your Handshake profile</p> <p>Create your LinkedIn profile and connect with colleagues and leaders</p> <p>Develop and review your resume with Career Services</p> | <p>Develop your resume with the help of the professionals at Career Services.</p> <p>Build Career & Graduate School Fairs into your schedule to ensure your connection maximum opportunities.</p> <p>Prepare to ace your job interviews with Career Services or your academic department.</p> | <p>Develop a full-time employment or graduate school plan with Career Services.</p> <p>Explore paid Fellowship opportunities for post-graduation plans.</p> <p>Attend employer info sessions at Career Services.</p> <p>Complete your First Destination Survey to share your post-graduation plans.</p> <p>Identify faculty and professional references</p> |

OUTCOMES

Marketable Skills

Think critically

Analyze and solve problems

Communicate clearly and effectively

Discuss the clinical significance of abnormal results obtained, correlating patient results as to possible disease and/or therapy states in all areas of the medical / clinical laboratory.

Obtain the entry-level credential – MLS (ASCP) for practicing in the medical / clinical laboratory per NAACLS accredited program for graduates.

[See more marketable skills for this major](#)

Experiences in Medical Laboratory Sciences

The bachelor of science degree with major in medical laboratory science begins with prerequisite requirements during the first two years of study including courses in biology, chemistry and mathematics, along with courses in the humanities, social and behavioral sciences. The junior and senior years combine clinical experiences in the affiliated clinical laboratories with advanced academic study in the clinical laboratory disciplines. The department maintains connections to internship opportunities and professional organizations and is involved in various community service opportunities. Students have the option to participate in Education Abroad or Study in America for global and cultural enrichment. Membership in the major-related student organization or numerous campus organizations is also available for developing peer networks.

Career Opportunities

Biological technician

Blood bank technologist

Chemical and materials scientist

Chemical technician

Clinical chemistry technologist

Immunologist

Laboratory technologist

Medical laboratory scientist [MLS]

Microbiology laboratory scientist / technologist

Molecular biology technologist

Medical laboratory industry field applications

Regulatory positions for laboratory agency

Public health MLS

Industry sales for medical laboratory

Industry troubleshooter for equipment

Installation

Point of care testing coordinator

Infection preventionist

Educator

Laboratory scientist veterinary/animal diagnostics

Research laboratory scientist

Pharmaceutical laboratory scientist

Forensics laboratory scientist

Biotechnology laboratory scientist

Laboratory information systems [LIS] analyst

Laboratory technical support scientist