Medical Laboratory Sciences

Medical Laboratory Science combines health-related research and high-tech laboratory work, resulting in an exciting and ever-changing field, as new developments is laboratory technology change the operations and routines of medical laboratory scientists. At the University of Texas, students studying medical laboratory science acquire a background in microbiology, immunology, analytical chemistry, biochemistry, and physics over a course of three years, after which they enter a school of medical laboratory science for a final year of professional training. Finally, students are encouraged to obtain certification before entering the professional world of medical laboratory science.

Possible Immediate Job Titles with a Bachelor’s Degree

Medical Laboratory Technologist
Medical laboratory technologists collect samples of body fluids, tissue, and other substances and perform laboratory tests on these samples to gather data and identify possible problems present in the sample. To become a medical laboratory technologist, one must have strong background in medical laboratory science, as well as knowledge of biology and chemistry.

Biological Technician
Biological technicians help biologists and medical scientists operate laboratory equipment to more efficiently run tests and conduct experiments. To become a biological technician, one must have a strong background in medical laboratory science, as well as biology. Most biological technicians have prior experience working in a laboratory setting, either through laboratory coursework or internships.

Possible Job Titles with an Advanced Degree

Medical Scientist – Doctorate Degree Required
Medical scientists conduct research through clinical trials and other investigative methods, with the overall goal of improving human health. To become a medical scientist, one must have a strong background in medical laboratory science, biology, and chemistry, as well as other related scientific fields. Medical scientists need to have both the clinical skills required to be physician and the research skills necessary to be a scientist.

This is not an exhaustive list of occupations and it is highly recommended you conduct informational interviews and engage in experiential learning activities to help you broaden your interest areas within your major. Please contact the Career Design Center and speak to a Career Coach for further discussion; 512-471-6700 Painter Hall (PAI) 5.03.
Online Resources

What is medical laboratory science?

Is a profession in the medical laboratory sciences right for you? Explore Focus2.

Job Posting Websites

Handshake
Handshake is Career Services’ primary job posting site, and all students should have an account to not only apply for jobs and internships, but also to stay current on upcoming events, employer information sessions and other opportunities. Create an account!

Vault Dice Career Builder

Going Global Indeed Simply Hired

Professional Associations

The American Society for Clinical Laboratory Science* Association of Clinical Scientists

National Accrediting Agency for Clinical Laboratory Sciences Texas Association for Clinical Laboratory Science

*Association Includes a Job Database

Additional Resources

Wayfinder – via UT UT Biology Advising Center

Explore Health Careers Allied Health Profession