Advance your laboratory career with a flexible, online curriculum designed for the working professional.

The Master of Science (MS) in Medical Laboratory Science degree allows you to take the next step in your career all while continuing to work and gain experience in the field. With coursework related to laboratory education, management and leadership, the curriculum can be tailored to meet your own individual career goals.

Program Snapshot
Program type: Master's Degree
Format: Online
Est. time to complete: 1.5 - 2 years (full-time); 2.5 - 3 years (part-time)
Credit hours: 33

Why Study Medical Laboratory Science at UND?

The U.S. Department of Labor has identified Medical Laboratory Science as a “critical need” occupation. Become a leader of this group of medical professionals providing diagnostic results to physicians and patients.

Online, Asynchronous Courses

Want to keep working while completing an advanced degree? Can’t relocate in order to take on-campus classes? Work an unpredictable schedule or an off-shift? The program offers online, mostly asynchronous (only five synchronous sessions throughout the entire degree) coursework that allows you to complete courses from any location, at any time of day. You can finish the degree while working anywhere in the world, or with a full or unpredictable schedule.

Flexible Scheduling & Course Plans

Need flexibility in course scheduling to accommodate personal, work or family commitments that may arise? Have a major life event or a busy time at work coming up, and aren’t sure if you will be able to handle coursework on top of it? Our flexible scheduling model allows you to choose how many courses you take each semester. Additionally, faculty advisors will help you customize a course plan that accommodates your needs while also facilitating timely graduation.

The MS in MLS program also allows you to customize your course credits to best meet your own personal career goals. Specialized courses related to laboratory management, leadership, education and testing areas give you the options you need to create a course plan that will best prepare you for the future!
Graduate Testimonials

Don’t just take our word for it, see what some of the program’s graduates have to say:

- The curriculum and coursework really promotes active learning and professional development. The program is also flexible, which is great for people working full-time!
- I feel more competent in MLS subjects and feel more prepared for a career in education at the collegiate level. The program gave me confidence in my abilities and my competency of the MLS knowledge in areas that I felt I was lacking in.
- Faculty knowledge is a strength of the program. They all bring something different to the table, and show excitement in teaching new information for our future.
- I believe this program prepared me to further my career in a technical specialist position or management position by enhancing my professional and leadership skills; especially in both written and verbal communication.
- I feel more credible as a MLS due to the completion of this program.
- Because of the program, I am better able to find and analyze current research for information that can be applied to my work. This has already been extremely useful in my current job as we look to improve current processes.
- I was never confident in my ability to write in a scholarly manner before enrolling in this program, but now feel that my writing reflects the level of my professionalism

Application Deadlines

Fall: July 1
Spring: Nov. 1

Medical Lab Science M.S. Highlights

- Continue working while taking online, asynchronous classes
- Gain communication skills valuable for pursuing leadership positions in the field
- Network and engage with other passionate laboratory professionals
- Customizable course schedules to meet your career goals

Medical Lab Science Outcomes

78%
Graduates that have attained or anticipate a promotion as a result of completing the MS in MLS degree

13%
Growth for medical and clinical laboratory professionals through 2026*

*U.S. Bureau of Labor Statistics

Graduates with an M.S. in Medical Laboratory Science can be found working as laboratory managers, supervisors, lead technologists, quality specialists, clinical laboratory consultants or educators in the following environments:

- Military
- Colleges and universities
- Forensic and reference laboratories
- Government agencies
- Hospital, clinic, physician’s office, forensic or reference laboratories
- Research and industry

When You Major in Medical Laboratory Science
A Medical Laboratory Science degree gives you the strategic skills you need, including:

- Hematology
- eClinicalWorks (ECW)
- Chemistry
- Microbiology
- Clinical Research
- Urinalysis

**UND Medical Laboratory Science Major Alumni**

Medical Laboratory Science alumni have gone on to a variety of successful careers with:

- Mayo Clinic
- Sanford Health
- Department of Veterans Affairs
- Interpath Laboratory, Inc.
- The Children's Hospital of Philadelphia