



University of New Haven

BACHELOR OF SCIENCE

MEDICAL LABORATORY SCIENCE



Did you know?

EMPLOYMENT DEMAND:

Expected to grow by more than **13%** by 2026*

EMPLOYMENT SETTINGS:

Hospitals, urgent care centers, diagnostic laboratories, research organizations

AVERAGE SALARY:

\$52,000 per year*

**According to the Bureau of Labor Statistics.*



The University of New Haven has been recognized as one of **The 387 Best Colleges** in the country by *The Princeton Review*.

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Program Description

Medical laboratory scientists are educated to work in clinical chemistry, hematology, immunohematology, immunology, and microbiology with various subspecialties in each of those major areas. Our program of study is designed to provide the knowledge and technical skills necessary to qualify an individual for work in a diagnostic clinical laboratory, in research, or in industry. Students complete two years of preprofessional courses in science and general education and two years of professional medical laboratory science (MLS) coursework. The professional coursework includes didactic courses, student laboratory instruction, and clinical experience rotations.

Why Medical Laboratory Science?

Laboratory analysis by medical laboratory scientists plays a critical role, along with that of the physician, in disease diagnosis, treatment, and health maintenance. Medical laboratory scientists are professionals who are prepared not only to produce laboratory data but also to assure the quality of the data, compare and select laboratory methods, advise other healthcare professionals on the data's validity, and supervise laboratory personnel.

If you love the sciences and want an opportunity to help physicians and patients with your knowledge, this major may be ideal for you.

Medical Laboratory Science at the University of New Haven

The University of New Haven is known throughout the region as a top university for educating students in the laboratory sciences. Our biological and chemical sciences faculty and facilities are top notch. Our B.S. in Medical Laboratory Science MLS focuses on preparing you successfully for the workplace and your American Society for Clinical Pathology (ASCP) certification exam. It is a priority of the MLS program to provide quality clinical rotation sites to students who are prepared and ready to begin clinical practice.

Prestigious clinical affiliates of the MLS program at the University of New Haven provide clinical training for MLS students. It is the goal of these institutions to assist MLS students in completing their education by offering a variety of clinical laboratory experiences and exposure to professional, academic, and medical environments. Our current clinical sites for MLS student rotations are at the following facilities:

- Yale New Haven Health System
- Veterans Administration Medical Center (West Haven, Conn.)

Accreditation

Our B.S. in Medical Laboratory Science program is pursuing NAACLS (National Accrediting Agency for Clinical Laboratory Sciences) accreditation and plans to have this accreditation before graduating our first class of students. Students who complete our program receive a Bachelor of Science in Medical Laboratory Science from the University of New Haven and are qualified to take a certification examination administered by the ASCP Board of Certification (BOC).

Curriculum

Students prepare to work in the medical laboratory science field by developing comprehensive knowledge of the biological, physical, and health sciences as they relate to laboratory medicine.

First, students take a wide range of courses to prepare them to work in the healthcare industry. The School of Health Sciences core curriculum provides students with a broad, interdisciplinary understanding of how prevention, health policy, and person-centered care affect all health professionals.

In their sophomore year, students begin taking biological and physical sciences coursework to prepare for their preclinical MLS classes.

As a junior, students complete a full year of preclinical MLS courses that cover the major areas of medical laboratory work.

Seniors complete a year-long rotational internship in a local area healthcare organization or laboratory where they can practice their laboratory skills under the supervision of a board-certified medical laboratory technician.

FEATURED COURSES

- Microbiology of Medical Lab Science
- Medical Bacteriology
- Immunohematology
- Clinical Chemistry
- Hematology
- Immunology
- Clinical Correlations
- Medical Laboratory Clinical Practicum I & II

Internships and Careers

The University of New Haven considers internships to be a critical component of the educational process. We strive to successfully match an intern with the most appropriate work environment. We understand that all three parties in the internship relationship – the University, the student, and the internship location – must devote significant time to make it work. This balancing act, when achieved, results in a quality internship that can lead to developing a strong future employee.

Medical laboratory science will enable you to work in a variety of healthcare settings:

- Hospitals
- Blood banks
- Urgent care centers
- Medical and diagnostic laboratory facilities
- Research organizations



“I always wanted to work in the medical field, and the University is unique in that it allows students to conduct independent research in their first year as part of the SURF program. As a rising sophomore, I was in the lab doing what students at most other universities don’t get to do until their junior year. Through my clinical rotations with Yale-New Haven Hospital, I’ve had the opportunity to observe clinical chemistry theories and automated instruments and even engage in hands-on practice with some of the protocols they perform there.”

ALICE YI'22
B.S. in Medical Laboratory Science



About Us

The University of New Haven, founded on the Yale campus in 1920, is a private, coeducational university situated on the coast of southern New England. It's a diverse and vibrant community of more than 7,000 students with campuses across the country and around the world.

Within our colleges and schools, students immerse themselves in a transformative, career-focused education across the liberal arts and sciences, fine arts, business, healthcare and health sciences, engineering, public safety, and public service. More than 100 academic programs are offered, all grounded in a long-standing commitment to collaborative, interdisciplinary, project-based learning.

Degree Options

Post-Baccalaureate

The University of New Haven Medical Laboratory Science program offers an option for graduates with a bachelor's degree in the biological, forensic, chemical, or physical sciences to earn a second bachelor's degree in Medical Laboratory Science.

For B.S. graduates who already have their core and science courses, this intensive track allows them to complete the courses in the Medical Laboratory Science curriculum that they are lacking and requires one year of professional medical laboratory science coursework and one year of clinical rotations.

At the program's conclusion, students are eligible to take the national certification exam to qualify as a medical laboratory scientist. Most employers require certification to work as a medical laboratory scientist in a clinical laboratory. With a critical nationwide shortage of certified medical laboratory technologists, market demand has resulted in increased salaries and excellent job placement.



Your Success Starts Here

For more information or to arrange a visit, contact

Office of Undergraduate Admissions

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✉ admissions@newhaven.edu

👉 newhaven.edu

U.S. NEWS & WORLD REPORT:

Medical laboratory scientist ranks as the **#1 Healthcare Support Job** and **#21** in the top 100 overall jobs list.



To learn more, scan the QR code or visit:
newhaven.edu/mls