Graduation & Certification

Once students complete their clinical education at Evanston Hospital, they are awarded a certification of completion by NorthShore University HealthSystem's Department of Pathology and Laboratory Medicine at Evanston Hospital.

Graduates may then take the national certification examination for Medical Laboratory Science, which is administered by the Board of Certification (BOC) of the American Society for Clinical Pathology.

Success of Graduates

NorthShore's graduates boast a 100% success rate for passing the BOC examination and earn impressive careers in a vast range of professional settings utilizing their credentials. Here is just a sampling of careers NorthShore's graduates have attained:

- Hospital laboratory scientist
- Blood center reference laboratory specialist
- Regulatory agency assessor
- Infection control surveillance practitioner
- Clinical laboratory director
- Clinical laboratory science educator
- Research technologist

Contact Us

MLS Program
Evanston Hospital
2650 Ridge Avenue
Evanston, IL 60201

(847) 570-2737
mlsprogram@northshore.org

http://www.northshore.org/academics
and click on Medical Laboratory Science.

Accreditation

The Evanston Hospital MLS program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5660 N. River Road, Suite 720, Rosemont, IL 60018-5119, (847) 939-3597, info@naacls.org, http://www.naacls.org

Outcome Measures

The NorthShore University HealthSystem MLS Program continually achieves its mission and goals and is reflected by the success of our outcome measures. Within the last three academic years, our program has:

- 100% graduation rate
- 100% board of certification pass rate
- 100% job placement rate

northshore.org

NorthShore
University HealthSystem

Medical Laboratory Science Program

Educating scientists today
for leadership tomorrow

NorthShore
University HealthSystem

What is a Medical Laboratory Scientist?

Medical Laboratory Scientists (MLS) provide vital information for identifying and treating a full range of diseases including cancer, heart disease and diabetes by performing tests in specialized areas such as immunology, hematology, chemistry, microbiology, blood banking and molecular diagnostics. Medical Laboratory Scientists are forward-thinking problem solvers and communicators for the future. They interpret test results, integrate data, conduct research, evaluate new test methods, and consult with physicians. Nearly 70 percent of treatment decisions are based on results from the laboratory, making Medical Laboratory Scientists highly important.

These expert trained professionals utilize proven and state-of-the art technology to provide life-saving medical information for patients—this equipment could not be run without their expertise. Now more than ever—with new advances in genetic testing, bio markers and other medical technologies—MLS have extensive access to exciting challenges and advancing career opportunities.

About the program

Since 1940, it has been Evanston Hospital's mission to provide a holistic education and training to prepare aspiring men and women to work in the medical laboratories at hospitals, physicians' offices, and commercial testing facilities. This goal is accomplished through a course of study that includes basic laboratory work, clinical rotations, and didactic instruction in each laboratory specialty.

As an accredited medical laboratory science program, NorthShore offers the advantages of a hospital-based education, with students spending their clinical training immersed in the environment of a progressive, inventive medical laboratory. Furthermore, our MLS students associate with all levels of professionals in the field on a daily basis and, thus, are able to benefit from their expertise.

Curriculum

The program begins in September and continues through July. The year begins with basic laboratory courses and subsequently transitions to clinical rotations and didactic instruction in each laboratory specialty.

The **basic laboratory** courses provide an ideal and unique learning environment for the development of fundamental laboratory skills. This 8 week period includes lecture presentations, demonstrations, clinical observations and hands-on practical experience.

The **clinical rotations** reinforce the acquisition of manual and automated laboratory skills; mastering the principals of test procedures, instrument use, calibration, maintenance, and quality control all while following approved safety practices.

The **didactic lectures** are presented by pathologists, PhD scientists and experienced Medical Laboratory Scientists. These lectures emphasize theory, patho-physiology and calculations.

Clinical Specialty Descriptions

Blood Bank/ Transfusion Medicine	ABO, Rh, & other blood group systems antibody detection and identification, prenatal/neonatal testing, donor screening, blood component preparation
Body Fluids	macroscopic & microscopic urinalysis, serous fluids, semen analysis synovial fluid crystal analysis
Chemistry	specimen processing, automated analyzers, immunoassay, toxicology, endocrinology, metabolic tests
Hematology	automated analyzers, manual counts, WBC differentials, bone marrow examination, coagulation
Immuno-pathology	enzyme immunoassay, flow cytometry, immunoflourescence, molecular diagnostics, autoimmune & infectious disease serology
Microbiology	aerobic bacteria, anaerobic bacteria, mycobacteria, virology, bacterial identification systems, antimicrobial susceptibility testing

Qualifications

- Bachelor of Science degree or
- Completion of prerequisites from affiliated University
- Cumulative GPA 2.8 out of 4.0
- 16 semester/ 24 quarter hours of biological sciences
- 16 semester/24 quarter hours of chemistry
- 1 course in microbiology, immunology, and mathematics

Application Process

To be considered for the program, applicants are advised to apply by **November 30**.

Applications will be accepted until the class is full.

Required items:

1. Application
2. Essential Functions Agreement
3. Two reference letters from instructors, advisors, or employment managers
4. Transcripts from all universities attended
5. A personal interview