

Medical Laboratory Science



Career Pathways

School of Nursing and Health Professions

Overview:

A degree in Medical Laboratory Science combines the sciences of biology and chemistry with medicine and the clinical sciences to prepare you for a professional career as a medical laboratory scientist, also known as medical technologist. Medical laboratory technologists collect samples and perform tests to analyze body fluids, tissue, and other substances. Stevenson's Bachelor of Science in Medical Technology is offered in conjunction with Sinai Hospital of Baltimore. The program consists of two years of prerequisite courses in the basic sciences and liberal arts, a third year of liberal arts and professional courses in laboratory medicine, and a fourth year that integrates professional and clinical practicum courses at the Sinai Hospital campus. With a degree in Medical Technology, you will be qualified to work in all areas of the medical laboratory, including microbiology, chemistry, hematology, blood banking, immunology, and molecular diagnostics. You will also be prepared to take the national certification examination for medical laboratory scientists and to pursue graduate study in medical technology or any of its related areas.

Acquired Skills **MOST** Valued by Employers:

- Provide Accurate/Valid Clinical Lab Test Results
 - Interpret/Correlate Test Result with Disease Processes
 - Collaboration in Diagnosis and Treatment
 - Apply Clinical Decision-Making in Investigating Test Selection, Issues, and Problems
 - Critical Thinking/Problem Solving
 - Oral/Written Communications
 - Teamwork/Collaboration
 - Digital Technology
 - Leadership
 - Professionalism/Work Ethic
 - Career Management
 - Global/Intercultural Fluency
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Common Pathways:

- Medical laboratory technologist
 - Clinical chemistry technologist
 - Blood bank technologist
 - Immunology technologist
 - Cytotechnologist
 - Microbiology technologist
 - Molecular biology technologist
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Please note that some of these pathways require an advanced post bachelor's degree

Common Industries:

- Hospitals
 - Physician's offices
 - Medical and diagnostic laboratories
 - Federal government laboratories/agencies
 - Education
 - State and local public health departments
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Sample of Employers of Stevenson University students:

- Baltimore Washington Medical Center
- Sinai Hospital
- Sinai Hospital – Department of Pathology
- University Of Maryland Medical Center
- Johns Hopkins Hospital

Internship Sites for Stevenson Students:

- Greater Baltimore Medical Center
 - Johns Hopkins Bayview Medical Center
 - Johns Hopkins Hospital
 - Medstar Franklin Square Medical Center
 - Northwest Hospital
 - Sinai Hospital
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Graduate Schools Attended by Stevenson Alumni:

- Ross University – Medical School
- Rush University
- Rutgers University
- Towson University/CCBC Physician Assistant
- University of Maryland – Pathology Assistant
- University of South Carolina
- West Virginia University
- Maryland/Virginia Regional – Veterinary Medicine

An Employer's Perspective:

“Employment of medical laboratory scientist and technicians is projected to grow 22 percent from 2012 to 2022, much faster than the average for all occupations. An increase in the aging population will lead to a greater need to diagnose medical conditions, such as cancer or type 2 diabetes, through laboratory procedures.” [http://www.bls.gov/ooh/healthcare/medical-and-clinical-laboratorytechnologists-and-technicians.htm]

Salaries:

According to the Bureau of Labor Statistics, the median annual wage for medical laboratory scientist was \$57,580. However, salaries are dependent upon the industry, level of position, and geographical region. A few good resources for researching salaries of specific jobs within various industries are www.salary.com and www.payscale.com.

