

NewYork-Presbyterian Brooklyn Methodist Hospital CLINICAL LABORATORY SCIENCE PROGRAM

Clinical Laboratory Scientists, also called Medical Technologists, make the practice of modern medicine possible. Using state-of-the-art equipment and computer technology, they perform a wide array of complex laboratory **procedures which are essential to patients' medical care. New and emerging technologies are constantly expanding** the role of the medical technologist. New York State law now mandates that Clinical Laboratory Scientists must be licensed by the State to work in the laboratory setting.

Trained Clinical Laboratory Scientists have a wide array of career opportunities open to them. They may work in one of the major areas of the clinical medial laboratory including blood bank, chemistry, hematology, immunology, microbiology, etc. or, they may use their training to pursue a career in higher education, research science, health care administration, medicine, information technology, marketing, nursing, or law.

NewYork-Presbyterian Brooklyn Methodist Hospital's Clinical Laboratory Science Program offers comprehensive training in both theory and practice. Formal academic instruction and laboratory practice provides both a theoretical basis in various subject areas, and an **understanding of the medical problems which may motivate a physician's request for** laboratory services. The clinical laboratories, where students receive their internship training, are well-designed and furnished with state-of-the-art precision instruments, computer technology, and electronic equipment. The program involves a full-time, one-year commitment. During the course of the year, the student studies fields related to the laboratory sciences.



ADMISSIONS PROCESS:

- o Complete the program application (including transcripts, reference letters and all other supporting documents) and mail it with a \$100.00 (non-refundable) application fee. Applicants can expect a confirmation e-mail within three weeks of submitting the application.
- o If an applicant satisfies all eligibility requirements, they will be contacted to schedule an interview.
- o The Admissions Committee will convene and evaluate the admission file, including but not limited to supporting documentation, previous academic performance and the results of the formal interview. A final decision regarding acceptance into the program can be expected within one month of the interview.
- o Upon acceptance into the program, a \$500.00 (non-refundable) registration must be paid to reserve a seat in the class. *Space is limited and seats are reserved on a first-come, first-served basis.*

TO QUALIFY FOR THE PROGRAM, APPLICANTS MUST:

- Be enrolled in one of NewYork-Presbyterian Brooklyn Methodist Hospital's affiliated colleges OR a regionally accredited college that will affiliate with NewYork-Presbyterian Brooklyn Methodist Hospital. Affiliated colleges in New York State must be registered for licensure with the New York State Department of Education. Regardless of location, the affiliation process must be complete prior to enrollment.
- Major in the field of medical technology (MT), clinical laboratory science (CLS) OR medical laboratory science (MLS) leading to a Bachelor of Science degree.
- Have a minimum grade point average of 2.0.
- Ensure that they have fulfilled all pre-requisites and/or core requirements required by the college or university granting their degree.
- Have a minimum of 90 college credits. The courses below, or their equivalent, are required for admission:
 - Biology: a minimum of 14 credits. This may include general biology, cell biology, and immunology. Microbiology and Anatomy & Physiology is absolutely required.
 - Chemistry: a minimum of 12 credits. General and organic chemistry are mandatory, as well as biochemistry OR analytical chemistry.
 - Mathematics: a minimum of 3 credits. One college level mathematics course (remedial courses are not acceptable).

NEW YORK STATE RESIDENTS:

Beginning September 1, 2013 in order for a student to qualify for licensure to work as a Clinical Laboratory Technologist in the State of New York, they must have received a bachelor's degree in Clinical Laboratory Science or Medical Technology from a program REGISTERED for Licensure with the New York State Department of Education, Office of the Professions AND they must have completed coursework in Analytical Chemistry or Biochemistry. NewYork-Presbyterian Brooklyn Methodist Hospital is not a degree granting institution and thus does not qualify to register its program with the New York State Department of Education. Therefore, if a student wishes to attend NewYork-Presbyterian Brooklyn Methodist Hospital AND upon graduation wishes to qualify for New York State Licensure, they must attend a program registered for licensure with New York State.

NATIONAL CERTIFICATION EXAM:

All graduates of NewYork-Presbyterian Brooklyn Methodist Hospital's Clinical Laboratory Science Program are eligible to sit for the Board of Certification Examination administered by the American Society of Clinical Pathology (ASCP).

COURSE LISTING:

Introduction to Clinical Lab Science	Clinical Chemistry/ Urinalysis/Body Fluids	Clinical Microbiology
Clinical Hematology/Coagulation	Immunohematology	Immunology & Serology
Advanced Topics	Certification Exam Review	Clinical Education

NewYork-Presbyterian Brooklyn Methodist Hospital's Clinical Laboratory Science Program is programmatically accredited by the National Accrediting Agency of Clinical Laboratory Sciences (NAACLS).



NAACLS

National Accrediting Agency for Clinical Laboratory Sciences
5600 North River Road, Suite 720
Rosemont, IL 60018-5119
Tel. # (773) 714-8880



COLLEGE AFFILIATIONS:

NewYork-Presbyterian Brooklyn Methodist Hospital's Clinical Laboratory Science Program has affiliation agreements in place with several colleges and universities (see below) that allow their students to complete the fourth year of their medical technology degree at NewYork-Presbyterian Brooklyn Methodist Hospital's Clinical Laboratory Science Program. Upon successful completion of the program, graduates will receive credits towards the completion of a Bachelor's Degree in MT/CLS/MLS from their affiliated institution.

Alabama

Auburn University

Massachusetts

MA College of Pharmacy and Allied Health Sciences

New Jersey

Caldwell College

Ohio

Miami University (Ohio)

Pennsylvania

Clarion University
East Stroudsburg University
Marywood University
Wilkes University
The University of Sciences

Delaware

Wesley College

Minnesota

Minnesota State University

New York

Elmira College
Long Island University
Plattsburgh University
Roberts Wesleyan College
St. Joseph's College