

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.

ABOUT THE PROGRAM:

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.

The program meets the didactic and clinical requirements necessary to sit for the ASCP Examination. Preexisting courses or degrees may be required from outside institutions (see PATHWAY options and explanations below).

NewYork-Presbyterian Brooklyn Methodist Hospital now offers two admission pathways for the Clinical Laboratory Science Program:

PATHWAY 1: Applicants who are currently enrolled in their junior year of college (3+1):

Applicants must be enrolled in their junior year of college at one of NYP/Brooklyn Methodist Hospital's Clinical Lab Science Program's affiliated colleges, on path to receive their bachelor's degree in Clinical Laboratory Science or Medical Technology. Upon successful completion of their program, applicants in Pathway I will automatically be eligible to sit for the ASCP Examination (SEE LIST OF AFFILIATED COLLEGES BELOW).

PATHWAY 2: Applicants who currently hold at minimum a bachelor's degree (4+1):

Applicants must have previously completed a bachelor's degree and meet the 90 required credits, including the science-related coursework listed below. Applicants in Pathway II will need to apply to and be accepted into both NYP/Brooklyn Methodist Hospital and St. Joseph's College: an affiliated college of NYP/Brooklyn Methodist Hospital. Graduates will receive a certificate of completion from NYP/Brooklyn Methodist Hospital's accredited program, as well as a bachelor's degree in Medical Technology from St. Joseph's College. Upon successful completion of both institutions requirements, one is eligible to sit for the ASCP Examination and qualifies for NYS licensure.

ADMISSIONS PROCESS:

- 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.
- If an applicant satisfies all eligibility requirements, they will be contacted to schedule an interview.
- 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.

- 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:

- Meet the coursework requirements for one of the pathways listed above.
- Ensure that they have fulfilled all pre-requisites and/or core requirements required by the college or university granting their degree.
- Have a minimum grade point average of 2.0.
- 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. Biochemistry OR Analytical Chemistry are required for those seeking New York State licensure ONLY.
 - Mathematics: a minimum of 3 credits. One college level mathematics course (remedial courses are not acceptable). Statistics is preferred, but not required.

NEW YORK STATE RESIDENTS:

As of 2013, in order to qualify for licensure to work as a Clinical Laboratory Technologist in the State of New York, applicants 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.

Additionally, individuals must have completed coursework specifically in Analytical Chemistry or Biochemistry. NewYork-Presbyterian Brooklyn Methodist Hospital is a NAACLS accredited program but is not a degree-granting institution. Therefore, NYPBMH does not directly qualify to register its program with the NYS Department of Education. However, students in the program are able to meet the necessary requirements through NYPBMH's relationship with affiliated colleges, allowing them to complete the necessary coursework towards a certificate/degree at these institutions and to qualify for national certification, as well as New York State licensure.

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 for Clinical Laboratory Sciences (NAACLS).



NAACLS
 National Accrediting Agency for Clinical Laboratory Sciences
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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

Delaware
 Wesley College

(see next)

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 the Sciences

Minnesota
Minnesota State University

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

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