

# STEM

Pathways to Student STEM Success

## BECOME A STEM SCHOLAR



## LOOKING TO ENTER A CAREER IN SCIENCE, TECHNOLOGY, ENGINEERING OR MATH?

Be part of Pathways to Student STEM Success (PTS<sup>3</sup>), and take advantage of a wide range of academic, professional and financial benefits. This innovative program is being offered at Lehman College, Bronx Community College, and Hostos Community College. The PTS<sup>3</sup> program is designed to assist students in successfully completing a STEM major in college, ultimately leading to a career within STEM.

## WHY STUDY STEM?

As advances in technology continue to reshape today's workforce, STEM professionals are consistently in demand.

**62%** The percentage that STEM careers will increase by 2020.

**78K\*** Average starting STEM career salary.

**47K\*** Average starting non-STEM career salary.

\* Chen, Grace. "Community Colleges Prep for the Future by Focusing on STEM." *CommunityCollegeReview.com*, 30 Sept. 2014



## PTS<sup>3</sup> BENEFITS

- Regular meetings with an academic advisor to ensure you stay on the path to graduation.
- Academic tutoring, coaching, writing workshops and review sessions for STEM courses.
- Priority Registration.
- Credit-bearing Summer Math Prep to move you through your math course sequence.
- Winter boot camp to help you obtain a research, internship, fellowship or scholarship opportunity.
- Opportunity to work side-by-side with faculty conducting ground-breaking research.
- Innovative teaching and use of curriculum, incorporating active learning classroom methods shown to improve student success.
- Experiential learning opportunities with faculty and industry leaders in careers you wish to pursue.
- Guaranteed use of a laptop for class.
- Stipends for research and internship participation.
- Mentoring from your fellow PTS<sup>3</sup> scholars.

## WHO QUALIFIES FOR PTS<sup>3</sup>?

PTS<sup>3</sup> is open to students majoring in one of the following areas in each of their respective campuses:

### LEHMAN COLLEGE

- Anthropology\*
- Biology
- Chemistry
- Computer Science
- Geography
- Mathematics
- Physics

- Economics\*
- Political Science\*
- Psychology\*
- Sociology\*
- Environmental Science
- Earth Science
- Geographic Information Sciences (GISc)

### BRONX COMMUNITY COLLEGE

- Biological Sciences
- Chemistry & Chemical Technology
- Engineering, Physics and Technology
- Mathematics and Computer Science

### HOSTOS COMMUNITY COLLEGE

- Liberal Arts & Sciences
- Mathematics

\*Eligible if student completes a program in Data Science.

## Start the PTS<sup>3</sup> program from Bronx Community College, Hostos Community College or Lehman College.

You can be part of the PTS<sup>3</sup> program at any of these Bronx colleges. If you begin at BCC or Hostos you can transfer seamlessly to Lehman College by taking advantage of Guaranteed Admission\*

\*Conditions apply.

## Our PTS<sup>3</sup> students have been recipients of the following opportunities, scholarships, fellowships and other accomplishments:

- Jeannette K. Watson Fellowship
- CUNY Pipeline
- National Institutes of Health (NIH)
- Brookhaven National Laboratory
- NERA MedPrep
- Bronx-Westchester Area Health Education Center (BWAHEC)
- Tri-Institutional Minority Society
- Spain Study Abroad
- CUNY CREST Institute
- Nationwide Research Experiences for Undergraduates (REU)

## YOU TOO CAN BE A STEM SUCCESS STORY LIKE...

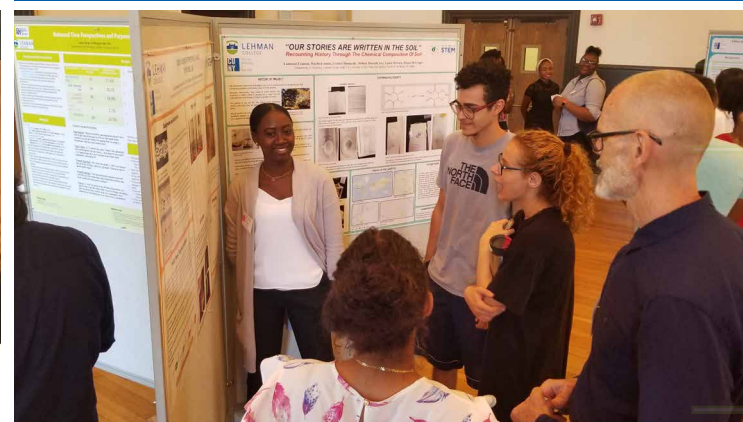


“  
**Mohamed Magassa**  
Lehman College”

**Mohamed Magassa** is a STEM student at Lehman College, majoring in chemistry on a pre-medical track. He is part of the first cohort of PTS<sup>3</sup> students. As an enthusiastic member of the program, Mohamed was selected to be an ambassador where he represents the program at special events.

Mohamed is one of the founders of the Pathways to STEM Success club where he held the office of President. The club benefits students who want to pursue STEM fields and includes mentorship, scholarship, and professional development opportunities.

Mohamed currently does research with the Chemistry department and was accepted as a 2018 Jeannette K. Watson Fellow. He holds a GPA of 3.76 and his goal is to attend medical school after graduation and become a cardiothoracic surgeon.





**Mary Martinez-Nunez** is currently a STEM student at Bronx Community College (BCC) and is majoring in Chemistry. As the Student Government Association President at BCC from 2017-2018, Mary represented BCC on the University Student Senate (USS) and maintained a 3.9 cumulative GPA. Mary's leadership was also demonstrated when she participated in the American Chemical Society Project SEED in Puerto Rico, where she worked closely with scientists to formulate a drug used to attack cancer cells in the lungs reducing the number of deaths of those suffering from lung cancer. To further her education and love of Chemistry, Mary has received many scholarships and awards. Some of her accomplishments include receiving a CIBA Specialty Chemicals Scholarship, she was a semifinalist of the Jack Kent Cooke Undergraduate Scholarship and a member of the Honor Society in the spring of 2018. Most recently, Mary has been accepted into the Kaplan Education Foundation and her goal is to obtain a Ph.D. in Biochemistry and become a scientist and professor.

**Mary Martinez-Nunez**  
Bronx Community College

## Become Part of the PTS<sup>3</sup> Community!!!

Enroll at Lehman College  
[lehman.edu/PTS3](http://lehman.edu/PTS3)

Enroll at Bronx Community College  
[bcc.cuny.edu/PTS3](http://bcc.cuny.edu/PTS3)

Enroll at Hostos Community College  
[hostos.cuny.edu/PTS3](http://hostos.cuny.edu/PTS3)



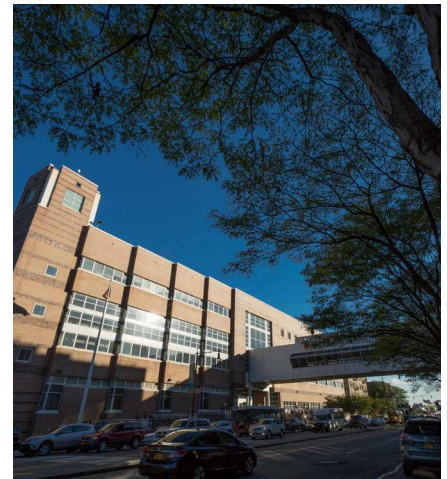
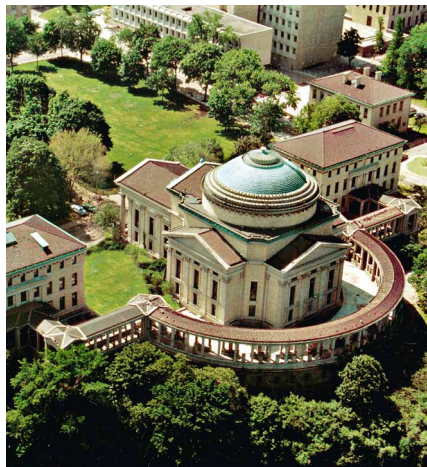
## THREE AMAZING HISTORICAL CAMPUSES



**Lehman College**, in the north Bronx, is located on a tree-lined 37-acre campus near the Westchester border. The impressive campus features a concert hall, an art gallery, the APEX athletic facility and the \$70 million state-of-the-art Science Hall – the center of your STEM education. This groundbreaking building includes state-of-the-art classrooms, laboratories, a rooftop research & teaching greenhouse and is the first part of a three-phase plan to build a dedicated science campus.



**Bronx Community College** is located in the University Heights section of the Bronx on a 45-acre, tree-lined campus that overlooks the Harlem River. In October 2012, the BCC campus was declared a National Historical Landmark, becoming the country's first community college campus to receive such a designation. BCC is home to the Hall of Fame for Great Americans, the country's first hall of fame. Today, BCC offers more than 30 academic programs that prepare students for careers and to continue their education at four-year colleges.



**Hostos Community College** is an educational agent for change, transforming and improving the quality of life in the South Bronx and neighboring communities since 1968. Hostos serves as a gateway to intellectual growth and socioeconomic mobility, and a point of departure for lifelong learning, success in professional careers, and transfer to advanced higher education programs. Hostos offers 27 associate degree programs that facilitate easy transfer to The City University of New York (CUNY) four-year colleges or baccalaureate studies at other institutions.

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