

College Now STEM Research Academy @Queensborough Community College



Introduction

The College Now STEM Research Academy @ Queensborough Community College is designed to provide high school students an opportunity to develop the essential skills to be strong scientific thinkers by engaging in authentic science inquiry and research activities. Selected students will be enrolled in a spring 2025 pre-college research course in Physics. Upon successful completion of this course, students will have the opportunity to apply for the **2025 STEM Summer Research Internship** or another of Queensborough Community College Now summer programs.

The program is **FREE** to students. College Now covers the cost of tuition, books and supplies. Students who participate will receive a Queensborough Community College ID card that will give them access to many resources at the college

Program Description and Schedule

1. SPRING 2025 (Saturdays 9:00 am – 12:00 pm) – Spring Research Course PH-450 three college credits – during the spring semester, 10 and 11th grade HS students will enroll in a course designed to introduce them to the research methods and practices. The course, which consists of lectures and hands-on activities, will meet once a week for 15 weeks. Each session will have a lecture and lab (hands-on) component.
2. The research course will introduce students to current physics/astronomy laboratory techniques, methods, and approaches. Other topics include laboratory safety, research integrity, literature review, analysis and interpretation of data, and written and oral communication of results. At the discretion of their high schools, students will receive one high school science elective credit upon successful completion.
3. SUMMER 2025 - Students who successfully complete the Physics Research course for HS credit will have the opportunity to apply for the STEM summer research internship or another QCC CN STEM program (to be announced at a later date).

STEM Summer Research Internship – a six week structured laboratory internship program where each student is matched with a research mentor and lab team, based on the student's area of interest. Students will be required to work in the research lab four days a week (from approximately 10:00 am – 4:00 pm), participate in a once-weekly college seminar Thursday afternoons from 12 p.m. - 2 p.m., and complete a research project and presentation. Students who successfully complete the research internship and project will receive **a monetary stipend**.

See reverse for eligibility, application and contact information

Eligibility

In order to be eligible for the College Now STEM Research Academy @ Queensborough Community College, students must meet the following requirements:

- Be a New York City Public High School **junior (sophomores will also be considered) during spring semester 2025**
- Have an **overall HS average of 80+**
- Have received a **75 or above on the English Language Arts (ELA) Regents or 480+ on SAT Verbal/Critical Reading or 50 on PSAT Verbal/Critical Reading**
- Have received an **80+ on any Math Regents Exam AND 75+ on the Living Environment Regents Exam**
- Have passed all other required math, science and history regents exams taken
- **Note:** Students who are taking any of the above **Regents Exams in January 2025** are encouraged to apply and may be accepted pending their current GPA and Regents Exams results.
- **Students whose schools do not have an established science research program are especially encouraged to apply**

Application process and timeline

1. Obtain a STEM application from a guidance counselor or QCC College Now (see below)
2. Obtain the required parental and school staff **signatures**
3. Complete the application form
4. Attach a one-page, typed **essay** introducing yourself, discussing your areas of interest in science, and explaining what you hope to gain from STEM Academy participation and what makes you a great candidate for the program
5. Attach your most recent high school **transcript**
6. By **Tuesday, December 17th** you or your guidance counselor must ensure that your application is received by the QCC College Now office via mail, e-mail or fax (see below).
7. Applicants will be contacted regarding their eligibility by **Friday, December 20th**.
8. Eligible students will be invited to Queensborough Community College for **interviews to begin Thursday, January 2nd (zoom interviews)**
9. Final acceptance decisions will be made, and candidates will be informed of their status, by **Monday, January 20th**
10. Class will begin **Saturday, January 25th**.

Submit your application to the following e-mail address:

al.nuhan@qcc.cuny.edu

**Queensborough Community College
222-05 56th Avenue RM. L-221
Oakland Gardens, NY 11364
718 631 6605**

PLEASE **PRINT** CLEARLY:

LAST NAME		FIRST NAME		MI
OSIS NUMBER	SOCIAL SECURITY NUMBER	SEX (Circle) M or F	DATE OF BIRTH (mm/dd/yy)	
ADDRESS				APT. #
CITY		STATE	ZIP	
HOME TELEPHONE #		CELL #		
EMAIL (<i>applicants will receive an email confirming receipt of application – EMAIL ADDRESS MUST BE LEGIBLE</i>)				
HIGH SCHOOL		HS COUNSELOR		
OVERALL HS AVERAGE	ELA REGENTS	MATH REGENTS	MATH AVERAGE	
LIVING ENVIRONMENT REGENTS		P/SAT VERBAL/CRITICAL READING		

Student signature

Date

I have read the information and this application completely, and I understand that if I am accepted into the Queensborough Community College Now STEM Research Academy, I am expected to complete the high school credit course in spring 2025 and participate in the Queensborough Community College Now STEM research internship or summer science program in summer 2025.

Parent/Guardian signature

Date

I have read the information and this application completely, and I recognize that if my child is accepted into the Queensborough Community College Now STEM Research Academy, s/he is expected to complete the high school credit course in spring 2025 and participate in the Queensborough Community College Now STEM research internship or summer science program in summer 2025.

Guidance counselor signature

Date

I have read the information on this application completely. I recommend this student to participate in the STEM Academy and agree to follow up with the student as necessary to support his/her success in the program if accepted.

Applications, essays, transcripts and other documentation must be **submitted by Monday, December 16th** to:

COLLEGE NOW STEM RESEARCH ACADEMY @Queensborough Community College

1. Please list any honors or rewards you have received (with year received).

2. Please list any academic enrichment programs or clubs (e.g. after-school such as language clubs, Saturday programs, or summer programs, etc.) in which you have participated or are currently participating.

3. Briefly describe any non-academic extracurricular activities (sports, dance, theater, community service, etc.) in which you have participated or are currently participating.

4. Briefly describe any special interests you may have (250 words or less). (on separate paper)

5. Describe two skills or talents that you believe will make you successful in this program (250 words or less). (on separate paper)

6. Attach a reference from one teacher who can attest that you are qualified and reliable.