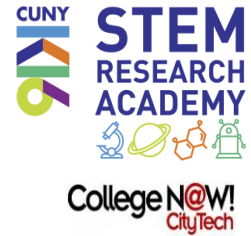




# 2021 College Now STEM Research Academy @ NYC College of Technology

A FREE Spring to Summer Science Program



The College Now STEM Research Academy at City Tech is a two-part program designed to provide high school students with an opportunity to develop strong college level research skills by engaging in authentic science inquiry and research activities. Selected students will be enrolled into a free Spring 2021 pre-college research course. Upon successful completion of the spring course, students will have the opportunity to apply for the 2021 STEM Summer Research Internship.

The summer program is FREE to students. College Now covers the cost of tuition, books and supplies. Students who participate will also receive a City Tech College ID card, free lunch, metro card, and stipend upon completion of the summer internship program.

## Program Description and Schedule

### SPRING 2021

Saturdays, 10:00am-2:00pm, **February 13<sup>th</sup> to May 29<sup>th</sup>** (15 remote sessions)

#### INTRODUCTION TO SCIENCE RESEARCH COURSE

- ✚ This course is designed to strengthen basic skills such as formulating researchable questions, designing testable experiments, performing literature searches in library databases, and reading scientific literature including peer-reviewed journal articles. Participants conduct experiments in a science lab and field research at sites throughout Brooklyn, with the purpose of preparing them for a summer research experience with CUNY research faculty (on-campus meetings and field research suspended for spring 2021 semester; course to be conducted remotely). They engage in research on a topic in the field of biology or chemistry, learn to formulate a question and hypothesis, design an experiment, analyze results, and present findings in a scientific format.

### SUMMER 2021

Students who complete the spring course will have the opportunity to apply for the summer STEM internship:

- ✚ **RESEARCH INTERNSHIP** (\$1000 stipend)  
Monday-Thursday, 9:00am- 4:00pm, **June 28<sup>th</sup> --August 16<sup>th</sup>** (7 weeks)

Selected students will participate in a six-week structured laboratory program where they are matched with a City Tech faculty researcher and lab team, based on the student's area of interest. In addition to working in a research lab four days a week, students will be required to participate in a once-weekly college seminar and discussion group, conduct their own short research project, write a paper discussing their findings and present these to City Tech faculty. Any on-campus meetings subject to change based on CUNY social-distancing policies for summer 2021.

## MINIMUM Requirements for the STEM Research Academy Spring Course

In order to be eligible for the College Now STEM Research Academy @ City Tech, students must meet the minimum requirements:

- Sophomore or Junior
- Overall HS average of 80+
- Completed Essay

## PREFERRED Requirements for the STEM Research Academy Spring Course

- English scores/grades:
  - ELA Regents 75+
  - or SAT Verbal/Critical Reading 480+
- 80+ on Living Environment Regents
- 80+ on any one Math Regents
- Passed all other required math, science and history regents exams taken so far
- Students who have not taken the SATs or Regents will be evaluated based on the subject-area GPAs on their high school transcripts

## Application Process

To apply you must:

1. Fill out the attached application.
2. Obtain the required parental and school staff **signatures**.
  - *Student Domestic Travel Waiver* – please complete **Pages 7, 8** (student signs) and **9** (completed by parent & notary). Other pages can be left blank.
3. Complete a one- to two-page, typed **essay** discussing your areas of interest in science, explaining what you hope to gain from STEM Academy participation and what makes you a great candidate for the program.
4. Attach your most recent **high school transcript**.
5. You or your guidance counselor **must ensure that your application is received** by the College Now office via mail, email, or fax by **Monday, December 21st, 2020**.
6. Final acceptance decisions will be made and candidates will be informed of their acceptance status by **Friday, January 15<sup>th</sup>, 2021**.

COLLEGE NOW STEM RESEARCH ACADEMY – CITY TECH COLLEGE  
300 JAY STREET, MIDWAY BUILDING, ROOM 209, BROOKLYN, NY 11201  
718-260-5206 (phone) | 718-260-5503 (fax) 929-314-4522 (cell)  
mbrittain@citytech.cuny.edu

