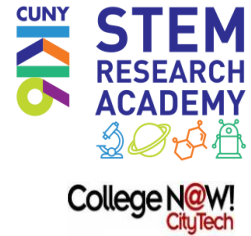




2022 College Now STEM Research Academy @ NYC College of Technology

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 2022 pre-college research course. Upon successful completion of the spring course, students will have the opportunity to apply for the 2022 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 2022

Saturdays, 10:00am-2:00pm, **February 19th to June 4th** (8 on-campus and 7 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 (class meetings for this hybrid course will be conducted both on-campus and 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 2022

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 27th --August 16th** (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 2022.

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
- Haven't taken the Regents or SATs? That's OK! Students who have not taken the Regents or SATs 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 27, 2021**.
6. Final acceptance decisions will be made and candidates will be informed of their acceptance status by **Friday, January 21st, 2022**.

COLLEGE NOW STEM RESEARCH ACADEMY – CITY TECH COLLEGE
300 JAY STREET, PEARL BUILDING, ROOM 613, BROOKLYN, NY 11201
718-260-5206 (phone) | 718-260-5503 (fax) 929-314-4522 (cell)
CollegeNow@citytech.cuny.edu





**College Now
STEM Research Academy
@ NYC College of Technology**



HAVE YOU PARTICIPATED IN COLLEGE NOW BEFORE? YES NO

Please **PRINT** clearly

LAST NAME		FIRST NAME			MI
OSIS #	SSN	GENDER (circle) M or F	DOB (mm/dd/yy)		
STREET ADDRESS					APT.#
CITY				STATE	ZIP CODE
HOME PHONE #		YOUR CELL PHONE #		PARENT CELL PHONE#	
EMAIL					
HIGH SCHOOL ETS CODE		HIGH SCHOOL NAME			
OVERALL HS GPA	ELA REGENTS SCORE	MATH REGENTS SCORES ALGEBRA 1 GEOMETRY ALGEBRA 2/TRIG			MATH GPA
LIVING ENVIRONMENT REGENTS SCORE	SCIENCE GPA	SAT VERBAL/CRITICAL READING SCORE	OTHER SCIENCE REGENTS SCORES		
RACE/ ETHNICITY 1. Are you Hispanic: <input type="checkbox"/> Yes <input type="checkbox"/> No 2. Select one or more races: <input type="checkbox"/> Black / African American <input type="checkbox"/> Asian <input type="checkbox"/> White <input type="checkbox"/> Native Hawaiian/ Other Pacific Islander <input type="checkbox"/> American Indian or Alaska Native		CITIZENSHIP STATUS (OPTIONAL): <input type="checkbox"/> US Citizen <input type="checkbox"/> Other <input type="checkbox"/> Permanent Resident <input type="checkbox"/> I don't know PARENT/GUARDIAN'S HIGHEST EDUCATIONAL LEVEL (OPTIONAL): <input type="checkbox"/> Post/Grad., Professional <input type="checkbox"/> College Degree <input type="checkbox"/> Some College <input type="checkbox"/> HS Grad. <input type="checkbox"/> Some HS <input type="checkbox"/> 8 th grade or less <input type="checkbox"/> I don't know			

Student signature

I have read the information on this application carefully, and I understand that if I am accepted into the City Tech College Now STEM Research Academy, I am expected to complete the course in spring 2022 and, if accepted, participate in the City Tech College Now STEM Summer Research Program in summer 2022.

Date

Parent/Guardian signature

I have read the information on this application carefully, and I understand that if my child is accepted into the City Tech College Now STEM Research Academy, s/he is expected to complete the course in spring 2022 and, if accepted, participate in the City Tech College Now STEM Summer Research Program in summer 2022.

Date

Guidance counselor signature

I have read the information on this application carefully. I recommend this student to participate in the City Tech College Now STEM Academy and agree to follow up with the student as necessary to support his/her success in the program.

Date

❖ **Application, essay, and updated transcript must be submitted via email to CollegeNow@citytech.cuny.edu OR mailed to the College Now Office at CITY TECH, 300 JAY STREET, Pearl Building, Room P613, by Monday, December 27th, 2021.**

Call 718-260-5206 if you have any questions.