The Baruch STEP Academy is recruiting for its In-Person Summer 2024 Programs.
July 8, 2024 - August 1, 2024 from 9:30am-2pm | Priority Deadline**: May 1 |** Rolling Deadline: **May 15**

IN-PERSON PROGRAMS

Students will participate in one course for the duration of the program. Our offerings are STEM enrichment or research based in nature. Grade levels are based on fall 2024: a current 6th grader is a rising 7th grader, etc. The course descriptions below are abbreviated, please review the application for more information.
All students will participate in the annual showcase to present posters and projects.

Middle School Program- *Rising 7th and 8th graders in Fall 2024*
Application link: https://tinyurl.com/Su24App-MiddleSchool

NYC Ecology This course will introduce field-based approaches to studying ecology using the environs of NYC as our classroom to learn about (1) the region's natural history and how humans have altered it while (2) also exploring fundamental ecological processes. Despite the strong hand humans have had in shaping the landscape of NYC in recent centuries nature still abounds and through a combination of lectures and field trips we will familiarize ourselves with the city's anthropogenic and remnant "natural" ecosystems.

High School Program- *Rising 9th, 10th, 11th, and 12th graders in Fall 2024*
Application link: https://tinyurl.com/Su24App-HighSchool

Behavioral Neuroscience The neuroscience seminar studies the physiological basis of behavior. Special emphasis is placed on the underlying anatomy, physiology, and chemistry of the central nervous system. Select topics relating to sensory and motor systems, development, sleep, learning, memory, mental illness, and language are visited.

Coding in Snap This introductory coding course is about understanding the programming language AND developing important computational thinking skills, which are useful for problem solving across many disciplinary areas. Students will learn basic programming skills by creating interactive stories, animations, and games with Snap!, a block-based visual programming language especially accessible to students coding for the first time.

Environmental Sustainability This course provides an overview of the complex relationships between the environment and humans by looking for physiological explanations for ecological changes. The course material will cover basic physiological processes, such as photosynthesis, respiration, water relations, the Earth's energy budget, and nutrient cycles. This course will focus on three major themes; diversity, ecology and biogeochemistry.

Forensic Psychology This course explores the intersection of psychology and criminal justice through dynamic lectures, interactive discussions, and hands-on exercises. Students will apply their newfound knowledge to investigate intriguing topics such as criminal behavior, profiling techniques, eyewitness testimony, and the psychology of deception.

General Anatomy Anatomy is a foundational course designed for students interested in pursuing careers in health and medicine. Students will learn the histology, anatomy, and physiology of the skeletal, muscular, nervous, and cardiovascular systems. This course will provide an understanding of the structure and function of the human body when in homeostasis or disease.

Baruch STEP Academy Program Eligibility

• New York State resident that will be in grades 7-12 in the fall
• 80 average in Math, Science, English, and cumulative
• Identify as African American, Latino, Native American, or Alaskan Native OR meet the requirements for economic disadvantage status

A student is considered economically disadvantaged if a student's household income is less than or equal to the income levels indicated below:

New York State Opportunity Programs Income Eligibility Criteria 2024-2025

Members in household (including head of household)	Total Annual Income (2023)
1	$26,973
2	$36,482
3	$45,991
4	$55,500
5	$65,009
6	$74,518
7	$84,027
8	$93,536

Application Materials
*All uploaded/submitted documentation must have the applicant's full name.

Part 1:
- March 2024 progress report or report card
- School transcript
- Essay
- Email for STEM teacher(s) to send recommendation link
- Income verification IRS Form 1040 for 2023 *(for income eligibility-based applicants ONLY)*

Part 2: Once an application has been reviewed for eligibility and completeness, the STEM teachers listed will be sent the recommendation link.

Part 3: Participation Agreement form and RSVP for orientation (sent with acceptance email)

Please visit:
https://step.baruch.cuny.edu for information on eligibility and application materials
baruchstep.wordpress.com to see recent events and previous semester programming

The **Fall 2024 Program** will operate for **10 Saturdays 9am-2pm** from September 28th through December 7th. Over three periods, students will participate in test prep, STEM enrichment courses, and college readiness workshops. Tentative courses: Anatomy, Bioethics, Computer Science, Environmental Studies, Statistics, Algebra 2, Geometry, Chemistry, SAT Math Preparation, Psychology, panels on college admissions and experience.
For notification of the Fall 2024 application: https://tinyurl.com/STEPInterest-Su24toSp25