

The Baruch STEP Academy is recruiting for its In-Person Summer 2023 Programs.
July 10, 2023 - August 3, 2023 | Priority Deadline: **May 1st** | Final deadline: **June 1st**

IN-PERSON PROGRAMS

Students will participate in one course for the duration of the program.

Middle School Application- <https://tinyurl.com/Summer23MiddleSchool>

Coding Design | Rising 7th and 8th graders

Students will be introduced to what programmers do. Students will learn the basic principles of programming to understand algorithms and logic, while writing and testing their own code.

Ecology | Rising 7th and 8th graders

Students will explore the biodiversity within New York City and the interaction and interdependence of all organisms within an ecosystem. Ecosystems are composed of biological components (plants, animals, and other forms of life) and physical components (soil, water, air, climate, and topography).

SHSAT Test Prep | Priority: Rising 8th graders

Students will receive math and English review to help prepare for the SHSAT exam in the fall. Topics will include ratios, algebra, linear equation, logic, reading comprehension, sentence structure and formation, and grammar.

High School Application- <https://tinyurl.com/Summer23HighSchool>

Anatomy | Prerequisite: Rising 9th and 10th graders

This biological foundations course will introduce students to internal and external structures of the human body. Anatomy is the concept that deals with the study of structures, such as muscles, bones and interior organs of the body.

Computer Science

In this course, students will develop computational thinking- the ability to understand how computer science can be applied in all areas of life. Students will learn about computer science as a major and career pathways (cybersecurity, programmer, software engineer).

Engineering Foundations

This course will apply math, science, and engineering concepts to solve real world problems. Students will explore the different specialities within the engineering profession.

Environmental Sustainability

Students will explore the history of human impacts on the global ecosystem. This course will study the main threats to the preservation of Earth's natural resources. Students will focus on how to create a sustainable future that supports environmental justice.

Physiology | Prerequisite: Rising 11th and 12th graders

Physiology is the study of physical and chemical processes within the human body. Students will explore how the body works in health and with disease. This course will cover the functions of various organ systems, such as digestion, respiration, and reproduction.

Psychology Research | Prerequisite: Rising 11th and 12th graders

Psychology is the scientific study of how people behave, think and feel. Students will learn the steps on how to conduct their own research (develop a survey question, data analysis and project presentation).

Baruch STEP Academy Program Eligibility

- New York State resident in grades 6-11
- 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 needs to be less than or equal to the income levels indicated below:

New York State Opportunity Programs Income Eligibility Criteria 2023-2024

Members in household (including head of household)	Total Annual Income (2022)
1	\$25,142
2	\$33,874
3	\$42,606
4	\$51,338
5	\$60,070
6	\$68,802
7	\$77,534
8	\$86,266

Application Materials

Part 1:

- March 2023 report card
- School transcript
- Essay
- Proof of vaccination- *no longer required as of 4/18. Please skip this question on the application.*
- *Income verification (for income eligibility-based applicants ONLY)*

Part 2: Math or science teacher recommendation

Part 3: RSVP/Agreement form (sent with acceptance)

Please visit:

<https://step.baruch.cuny.edu> for information on eligibility and application materials
[Baruchstep.wordpress.com](https://baruchstep.wordpress.com) to see recent events and previous semester programming

The **fall program** will run for 10 Saturdays (September 30th- December 9th) from 9am-2pm. It will consist of 3 periods of math and science regents prep, introductory STEM courses and workshops on college and career readiness, and personal and leadership development. For notification of the Fall 2023 application: <https://tinyurl.com/STEPInterest-Su23toSp24>