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<b>Job Title</b>	Engineering Basics Instructor (Middle School)
<b>PVN ID</b>	BA-2506-006874
<b>Category</b>	Instruction and Social Service
<b>Location</b>	BARUCH COLLEGE

**Department**

<b>Status</b>	Part Time
<b>Hourly Rate</b>	\$45.00-\$45.00
<b>Hour(s) a Week</b>	21.00
<b>Closing Date</b>	Aug 02, 2025 (Or Until Filled)

## General Description

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The Baruch STEP Academy is an academic enrichment program focusing on STEM (Science, Technology, Engineering, and Mathematics) education and providing college preparation. Managed through the Research Foundation of CUNY, we serve 250 middle and high school students throughout the city each year.

- Website: <https://step.baruch.cuny.edu>
- Blog: <https://baruchstep.wordpress.com/>
- Instagram: <https://www.instagram.com/baruchstep/>

**Course Title:** Engineering Basics

**Course Description:** This course will introduce fundamental engineering concepts through interactive lectures and dynamic projects. Students will work in groups to solve engineering problems and be challenged in designing and building "products" for an urban setting using the applications of geometry, physics, and engineering.

**Summary of Responsibilities:**

The STEP Academy at Baruch College is seeking to fill a summer instructor position for the high school program. The course will introduce high school students to an intensive science subject for a month. The goal of the course is to engage students in an exploratory science experience, not provided in a standard classroom. Instructors will prepare students to participate in the annual showcase displaying research posters, projects, and/or oral presentation.

The Summer 2025 Program will run for 16 sessions: July 7 - July 31 from 9am-2pm (Mondays through Thursdays ONLY).

Schedule: Monday through Thursday from 9am to 2pm + a weekly one hour faculty meeting

Salary: The pay rate is \$45 an hour for a total of \$4,500. This includes 72 hours of instruction (including lunch) and 28 hours for campus orientation, weekly staff meetings, and prep work.

*Only applicants that submit a cover letter will be considered. Request for interviews will start immediately.*

## Other Duties

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- Prepare and teach original course curriculum for 12-15 students
- Evaluate student and group performance
- Provide staff with measurable results in student learning through assessments
- Monitor and maintain student attendance records
- Reassess curriculum to account for students' needs, interest, and understanding of material
- Plan for end of semester project
- Other duties as assigned

## Qualifications

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### **Required**

- Availability for each program day from 9am – 2pm + a weekly one hour faculty meeting
- Degree in environmental science or related STEM
- Experience in a teaching capacity in subject area
- Experience with designing/implementing a course curriculum
- Have a strong classroom management style

### **Preferred:**

- Prior experience working with middle or high school students
- Possess innovative and creative instructional methods
- Enthusiasm for designing original, self-directed curriculum
- Have a strong classroom management style
- Demonstrated ability to create an engaging and inclusive learning environment