



JOHNS HOPKINS

WHITING SCHOOL
of ENGINEERING

ENGINEERING

INNOVATION

The Future is Yours

AGENDA

- 1 Why JHU?
- 2 Explore Engineering Innovation Overview
- 3 Biomedical Engineering Innovation Overview
- 4 Sustainable Energy Engineering Overview
- 5 Application Process
- 6 Eligibility Requirements

A wide-angle photograph of the Johns Hopkins University campus. In the foreground, a long, low stone wall with the university's name carved into it runs across the frame. Below the wall is a brick base and a garden bed with small blue and white flowers. In the background, a large green lawn is dotted with bare trees. Several university buildings are visible, including a prominent red brick building with a white portico and a modern glass-fronted building. The sky is clear and blue.

THE JOHNS HOPKINS UNIVERSITY

WHY JHU?

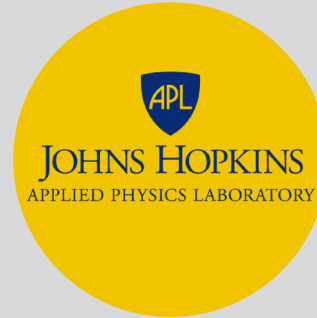
JOHNS HOPKINS UNIVERSITY



Ranked by
*U.S. News
& World Report*



America's first
research university



Associated with the
Johns Hopkins University
Applied Physics Laboratory



Pursuing knowledge
and discovery for the
benefit of the world

**THINK LIKE
AN ENGINEER**



**BOOST YOUR
CONFIDENCE**





PROGRAM OVERVIEW

PROGRAMS AT-A-GLANCE

Explore Engineering Innovation	Biomedical Engineering Innovation	Sustainable Energy Engineering
Explore a variety of engineering disciplines	Introduction to biomedical engineering concepts	Study the science and engineering behind current methods of energy production and the impact on policy
Chemical, civil, electrical, mechanical, materials science	Solve biological, physiological, and/or medical problems	Sources of energy, energy storage and transfer, and the impact of social and political factors
In-person (residential and commuting) and online	Online—mostly asynchronous	In-person (residential and commuter)
Daily class meetings; Mon–Fri	Three required online design meetings	Daily class meetings; Mon–Fri
	Regular optional online study sessions	
Developed by Johns Hopkins Engineering faculty		
Earn college credit		
Test and solve real-world problems		
Hands-on projects and labs		
12:1 student–teacher ratio		



ADMISSIONS

APPLICATION PROCESS

- Short Essays
- Teacher Recommendation
- Transcripts
- Test Scores (if available)



ELIGIBILITY REQUIREMENTS

- Open to current high school students and recently graduated seniors
- A's and B's in high school math and science classes
- Successfully completed Algebra II
- Complete a trigonometry course
- Successfully completed lab science courses



PROGRAM DATES

Explore Engineering Innovation (In-person/Online)

- **In-Person:** July 1–26, 2024
- **Online:** June 24–July 26, 2024

Biomedical Engineering Innovation (Online)

- June 24–August 2, 2024

Sustainable Energy Engineering (In-person)

- July 1–26, 2024



DEADLINES

WHAT STUDENTS ARE SAYING...



The greatest effect overall that **EI** had on me was that it confirmed and further cultivated my interest in the creative, problem-solving aspect of engineering... After EI, I knew engineering was the right field for me.”



BMEI challenged me to think critically every single day. No matter the material, the instructors and assignments consistently challenged to me to think on a deeper level than any courses I’ve ever taken... there is an incredible sense of accomplishment that I really have not experienced anywhere else.”



JOHNS HOPKINS
WHITING SCHOOL
of ENGINEERING

Engineering Innovation

ei.jhu.edu

ei@jhu.edu

2024 Johns Hopkins University. All rights reserved.