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
Pursuing knowledge and discovery for the benefit of the world

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
# Programs At-A-Glance

<table>
<thead>
<tr>
<th>Explore Engineering Innovation</th>
<th>Biomedical Engineering Innovation</th>
<th>Sustainable Energy Engineering</th>
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<tbody>
<tr>
<td>Explore a variety of engineering disciplines</td>
<td>Introduction to biomedical engineering concepts</td>
<td>Study the science and engineering behind current methods of energy production and the impact on policy</td>
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<tr>
<td>Chemical, civil, electrical, mechanical, materials science</td>
<td>Solve biological, physiological, and/or medical problems</td>
<td>Sources of energy, energy storage and transfer, and the impact of social and political factors</td>
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<tr>
<td>In-person (residential and commuting) and online</td>
<td>Online—mostly asynchronous</td>
<td>In-person (residential and commuter)</td>
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<td>Daily class meetings; Mon-Fri</td>
<td>Three required online design meetings</td>
<td>Daily class meetings; Mon-Fri</td>
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<td>Regular optional online study sessions</td>
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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
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
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
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 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.”