

# ENGINEERING INNOVATION

The Future is Yours



**Explore Engineering Innovation**  
**Be part of engineering the future—start now!**

Join other high school students in a challenging summer program where you will learn how to apply math and science concepts to practical engineering exercises.

## **What is Explore Engineering Innovation (EEI)?**

Designed for talented high school math and science students, Johns Hopkins Explore Engineering Innovation is offered online and as an in-person residential or commuter program.

- Hands-on engineering labs and team projects
- Learn from expert engineers and faculty
- College-level course
- Earn college credit

## **Learn More!**

Visit us at [ei.jhu.edu](http://ei.jhu.edu) to apply. You will also find more information about deadlines, tuition and fees, and locations.

Need-based financial aid is available.



**JOHNS HOPKINS**  
WHITING SCHOOL  
of ENGINEERING

# EXPLORE ENGINEERING INNOVATION

## About Explore Engineering Innovation

EI is an exciting, college-level, summer program for motivated high school students with an aptitude in math and science and curiosity about engineering. During the course, students explore a variety of topics and disciplines in engineering and earn Johns Hopkins University (JHU) credit.

Students complete activities in civil, chemical, electrical/computer, mechanical engineering and materials science. By applying knowledge of math and science to labs and hands-on projects, the concepts learned in high school classrooms are linked to real-world practice. Additionally, students' confidence grows as they attend college-level lectures, solve problems, test theories, and ultimately learn to think like engineers.

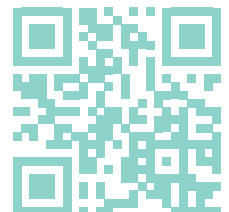
- Curriculum developed by Johns Hopkins University
- Student-to-faculty ratio of 12:1 or lower
- Students earn Johns Hopkins University (JHU) credit
- Program-specific lab kit for online students

## Interested students must meet the following academic requirements:

- Have As and Bs in their high school math and science classes
- Successful completion of Algebra II
- Successful completion of a course that includes trigonometric functions to determine angles and side lengths for right angle triangles
- Successful completion of high school chemistry and/or physics, including a lab. Many students feel that knowledge of physics is particularly helpful for the course.

## In 2023, EI will be offered:

- As a residential program at the JHU Homewood campus in Baltimore and at Hood College in historic Frederick, Maryland.  
July 2–July 28 (no class July 4)
- As a commuter program at various locations; see our website for the up-to-date list of locations.  
July 3–July 28 (no class July 4)  
9 a.m. to 3 p.m. at most locations
- Online as a three-hour synchronous program  
June 26–July 28 (no class July 4)  
9 a.m. to noon (ET)  
2 to 5 p.m. (ET)  
7 to 10 p.m. (ET)



**Apply Now: [ei.jhu.edu/apply](https://ei.jhu.edu/apply) Questions? [ei@jhu.edu](mailto:ei@jhu.edu)**