

ENGINEERING INNOVATION

Reimagining Engineering—One Future at a Time



Be a part of engineering the innovations that create an even better future—starting 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?

Designed for talented high school math and science students, Johns Hopkins Explore Engineering Innovation program is offered online and in-person at locations across the U.S.

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

Learn More!

Visit us at ei.jhu.edu to apply. You will also find more information about deadlines, tuition and fees, and locations.

Need-based financial aid is available.



CALIFORNIA STATE UNIVERSITY
FULLERTON



JOHNS HOPKINS
WHITING SCHOOL
of ENGINEERING

EXPLORE ENGINEERING INNOVATION

About Explore Engineering Innovation

Explore Engineering Innovation 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 have the opportunity to earn Johns Hopkins University (JHU) credit.

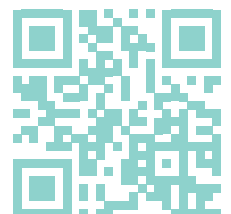
During the course, students complete activities in civil, chemical, electrical/computer, mechanical engineering and materials science. By applying knowledge of math and science to labs and hands-on projects, the concepts learned in high school classrooms are linked to real-world practice. Additionally, 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
- The student to faculty ratio is 12:1 or lower
- Students have the opportunity to earn three college credits from Johns Hopkins University.
- Certificates of Completion are awarded to all students who successfully complete the course

Interested students must meet the following academic requirements:

- Have As and Bs in their high school math and science classes
- Successfully completed Algebra II
- Successfully completed a course where the trigonometric functions are taught. To meet the trigonometry prerequisite students, must be able to use sine, cosine, tangent, and the Pythagorean Theorem to determine angles and side lengths for right angle triangles.
- Successfully completed high school Chemistry and/or Physics, including a lab. Many students feel that knowledge of Physics is particularly helpful for the course.

In 2022, EEI will be offered at:



Apply Now: ei.jhu.edu/apply Questions? ei@jhu.edu