

Engineering Innovation

A Summer Program for High School Students

Find a course near you!

Engineering Innovation is offered at multiple sites around the country. Some locations are 4 weeks long and others are 5 weeks. Check our website for details on whatever site you are interested in.

Each site covers the same material, but each site is different because of its unique student body, site location and instructors' background!

Local sites include:

Local sites are in Baltimore City, Baltimore County, Frederick County, Howard County, Montgomery County and Washington D.C.!

JHU Montgomery County Campus

9601 Medical Center Dr, Rockville, MD 20850

July 5 - July 29

Monday - Friday, 9:00 am - 3:00 pm



For more information on a site near you, visit

engineering-innovation.jhu.edu or follow us on facebook and twitter.



How do I enroll?

Application forms, deadlines, site information, schedules, tuition and scholarship information, and more details about the program can be found at <http://engineering-innovation.jhu.edu>.

Applicants should have the following prerequisites:

- Successful completion of Algebra II and knowledge of Trigonometry.
- One laboratory science class.
- Knowledge of a spreadsheet application, such as Excel.

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Program Description

Engineering Innovation is a summer program that offers you the opportunity to learn to think and problem-solve like an engineer, while earning college credit.

You'll apply your knowledge of math and science to practical projects, and see concepts you've learned in high school classrooms come alive.

You'll apply techniques ranging from modeling and simulation, innovation and design, approximation, measurement and estimation.

You'll meet other students with similar interests and collaborate on testing theories and finding solutions to engineering problems. You'll compete with other teams to design, build and test the strongest bridge—using only spaghetti and glue.

As you complete the course, you'll learn what engineers do and decide whether you want to be one!

What is engineering and is it right for me?

How do engineers help other people?

How do engineers invent new things?

