

ENGINEERING INNOVATION

The Future is Yours



Full scholarships for Baltimore City and Washington, DC public school students

Johns Hopkins Engineering Innovation Pre-College Program gives you the power to create your future as an engineer and earn college credit from our top-tier research university as a high school student.

Tackle challenging and exciting college-level courses with hands-on technical projects, while learning to think like an engineer and solve real-world problems using science, math, and technology. Choose from three distinct programs and decide whether you'd like to learn as a residential, commuter, or online student. **No matter which program you choose, it's the perfect start to engineering your future!**

Explore Engineering Innovation

Attend college-level lectures, solve problems, test theories, and ultimately ignite what excites you about engineering. Explore multiple engineering fields, including civil, chemical, mechanical, electrical, computer, and materials science. Discover career pathways related to engineering and network with engineering professionals. Available as an [in-person residential or commuter](#) and [online](#) summer program.

Biomedical Engineering Innovation

Created by the faculty of our #1 nationally ranked biomedical engineering program, challenge yourself to build the foundation you need to save lives and create a healthier society. In this asynchronous course, you will model biological systems, design experiments, and test them by applying engineering principles grounded in healthcare. Available as an [online](#) summer or fall program.

Sustainable Energy Engineering

Build an understanding of energy sources, storage, and transfer and understand the impact of social and political factors on sustainable energy today and beyond. Available as an [in-person residential or commuter](#) summer program.

Are you a high school student attending a Baltimore City or Washington, DC public school?

The application fee for all Baltimore City and Washington, DC public school students is waived. Please contact the Engineering Innovation team at [for instructions](#).

Additionally, all Baltimore City and Washington DC public school students admitted to a commuter or online course will receive full scholarships to cover the cost of tuition and program fees.

"I like how you get to dip your toes in different fields. That's why it's called Innovation and not an intermediate course. It's innovation. It allows you to experience different things to see what you like."

Iris Z.

Biomedical Engineering Innovation '21 and Explore Engineering Innovation '22

Learn More!



Contact Us

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WHITING SCHOOL
of ENGINEERING