Pre-College Intensive: Engineering Design Lab

summer.tufts.edu/high-school/programs/engineering-design-lab

Engineering design is the practical application of the science and theory of engineering to the needs of the world around you. Through team-based projects in our brand new state-of-the art maker space, lectures, and guest speakers, students will examine not just the "how" but the "why" of engineering projects preparing them for the way real engineering projects work! All while meeting new friends and experiencing life on the campus of Tufts University.

At a Glance

Dates:	July 14–July 26, 2019
Location:	Tufts University Medford/Somerville
Eligibilty:	Entering Grades 10–12 and must be at least 15 years old by program start
Credit:	Not for credit
Program Fee:	Commuter - $4,000 Residential - $5,250
Financial Aid:	Limited scholarship funding available
App Deadline:	April 1, 2019

PROGRAM OUTCOMES

- Deeper understanding of the fields of engineering and design
- Hands-on practice with maker technologies
- Experience with rapid prototyping and the client-centered design process
- Work on projects in Tufts' brand-new maker space in the Science and Engineering Complex
- Ability to evaluate the "why" and "how" of engineering problems and projects
- Participate in workshops taught by Tufts' engineering faculty
- Improved collaborative and team project skills
- Enhanced understanding of college life

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