

Accelerate Pre-College Programs

Sneak a Peek at Your Future

Accelerate Pre-College Programs give talented high school students from around the world the opportunity to engage in immersive, experiential learning led by distinguished Northeastern University faculty members. Our programs enable students to experience a genuine college campus environment and benefit from the expertise of renowned educators.

The College Experience

- › Students explore potential future majors through our programs.
- › Accelerate gives students a taste of the college experience and what it means to be a Husky.

Our Programs

- › Programs are designed for rising juniors and rising seniors in high school.
- › Immersive residential programs are hosted at Northeastern's campuses in Boston, London, New York City, and Oakland.
- › Commuter and other short-format programs are offered at select domestic and international locations.

The Academics

- › State-of-the-art facilities help students apply their classroom learning to the real world.
- › Students benefit from in-depth and meaningful classroom discussions.
- › Small cohort sizes allow for personalized attention from faculty.

The information contained in this piece is current as of its printing (August 2026). The contents are subject to change without notification if there is a change in federal and/or state regulations and/or university policy.

98%

of our students would recommend
our programs to other students

"My pre-college program gave me more than an education. It introduced me to an incredible community where I built friendships that could last a lifetime, while learning through hands-on, experiential classes alongside an amazing staff who made every day unforgettable."

—2026 EXPERIENTIAL ENTREPRENEURSHIP
PROGRAM PARTICIPANT

DID YOU KNOW?

We offer asynchronous online programs throughout the year. Visit precollegeprograms.northeastern.edu to learn more.



Cybersecurity students visit the drone cage at the George J. Kostas Research Institute for Homeland Security.

Past Accelerate Pre-College Programs

Architecture in Action

- › Discover how architecture reflects and shapes culture, exploring urban design, historic styles, and the impact of the built environment on communities.
- › Design, model, and fabricate projects, gaining experience with measured drawing, physical modeling, and digital fabrication tools.

Bioengineering Immersion

- › Learn the basics of bioengineering and engineering design principles while working on cutting-edge projects, such as 3D printing of artificial implants.
- › Complete labs on tissue engineering, medical implant design and testing, and biomedical circuit design.

Biotechnology & the Future of Medicine

- › Investigate how scientists identify drug targets, design molecules, and harness advanced technologies to accelerate drug discovery.
- › Engage in interactive labs, faculty-led workshops, and real-world case studies connecting lab-based innovation to breakthroughs in human health.

Engineering Innovation & Design

- › Get an introduction to engineering design principles in the context of several themes: Robotics in Service to Society, Sustainability in a Changing World, and Product Design.
- › Research and complete hands-on projects under these themes using our newly redesigned makerspace.

Experiential Entrepreneurship

- › Build a startup as part of a team and pitch your ideas in front of a panel of entrepreneurs.
- › Access industry professionals who will guide you through topics such as finding and growing an audience, business planning, product development, negotiation, pitch presentations, and more.

Financial Analysis & AI Consulting

- › Explore how financial analysis and AI-powered tools come together to support smart business decision-making.
- › Develop skills in reading financial statements, spotting trends, and communicating insights like a real consulting advisor.

Innovations in Health Professions

- › Explore a range of health-related careers and meet with healthcare professionals through this interactive, experiential program.
- › Participate in medical simulations, learn clinical skills, and tour healthcare facilities.

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