Biochemistry focuses on the chemical processes occurring in the wide variety of living systems and touches essentially all aspects of our own lives. Our Northeastern program engages you in two integrated paths to a career in biochemistry: rigorous coursework that is designed to prepare you to interpret the ever-expanding knowledge base and hands-on learning that positions you to leverage cutting-edge technology to solve fundamental problems in the chemistry of life.

After required basic coursework in biochemistry, biology, chemistry, physics, and mathematics, our majors select elective courses that reflect many areas of biochemistry including neuroscience, bioorganic chemistry, stem cell and regenerative biology, microbial biotechnology, and systems biology and engineering.

In our interdisciplinary program, students take advantage of faculty-mentored research guided by investigators from bioengineering, biology, chemical engineering, chemistry, pharmaceutical sciences, physics, psychology, and other academic units.

Northeastern’s signature co-op program provides complementary opportunities in world-class biotechnology companies, hospitals, and research facilities as close as Boston and as far as your global interest takes you.

Our biochemistry program is designed to prepare students to enter the job market directly or to go on to graduate, medical, veterinary, dental, law, or business school. Our graduates are qualified for a wide range of careers that span academics, industry, government, and medicine, working in laboratory or clinical research, regulation and quality control, production, marketing, or information systems.

Programs

Bachelor of Science (BS)
- Biochemistry (http://catalog.northeastern.edu/undergraduate/science/biochemistry/biochemistry-bs/)
- Data Science and Biochemistry (http://catalog.northeastern.edu/undergraduate/computer-information-science/computer-information-science-combined-majors/data-science-biochemistry-bs/)

Bachelor of Science in Bioengineering (BSBioE)
- Bioengineering and Biochemistry (http://catalog.northeastern.edu/undergraduate/engineering/bioengineering/bioengineering-biochemistry-bsbioe/)

Bachelor of Science in Chemical Engineering (BSChE)
- Chemical Engineering and Biochemistry (http://catalog.northeastern.edu/undergraduate/engineering/chemical/chemical-engineering-biochemistry-bs/)