

PHD PROGRAM



Developing Leaders in Biomedical Engineering

Advanced education and cutting edge research training, with a focus on pursuing an individualized doctoral dissertation

Consistently ranked among the top BME Departments in the nation by US News & World Report, BU's PhD program has a broad range of research strengths, and a wealth of resources and facilities. PhD students pursue theoretical and empirical studies in a topic area determined by their interests, while working with our world-renowned faculty. We have 40 tenured and tenure-track faculty, primarily focused on applying engineering, computational and analytic techniques to biological systems - from the nano-scale level of DNA to the macroscopic level of organ systems. The department is among the largest of its kind in the US.

- **Post-MS PhD in Biomedical Engineering**
- **Post-BS PhD in Biomedical Engineering**
- **MD/PhD in Biomedical Engineering**

An elite program

BU's PhD program in Biomedical Engineering attracts exceptional graduate students nationally and internationally. PhD students can enter the program directly after a bachelor's degree, and earn a master's degree along the way. They can also enter the program after completing a master's degree.

World-class research opportunities

- Biomechanics & Mechanobiology
- Tissue Engineering & Regenerative Medicine
- Neural Engineering
- Systems, Synthetic, & Molecular Bioengineering
- Biophotonics & Biomedical Imaging
- Computational Modeling & Data Science
- Diagnostics & Biosensing
- Biomaterials & Nanotechnology

Post-BS PhD in Biomedical Engineering 64 credits

- Molecular Bioengineering
- Quantitative Physiology for Engineers
- Biomedical Engineering Seminar
- BME PhD Laboratory Rotation System
- Literature Review
- Teaching Practicum I and II
- One Math course
- Two graduate-level technical electives
- Three BME graduate-level electives
- Research credits



PhD Student Support

Students in the PhD program are **guaranteed funding** for the duration of their program, as long as they maintain satisfactory progress toward their degree. All admitted PhD applicants are offered **open fellowships without teaching requirements** during the first year.

Location - Boston's MedTech hub

BU is an integral part of the area's thriving medical technology hub. Studying in Boston places you front and center in an environment rich with major biotechnology companies and startups, presenting diverse learning, research, networking and workforce opportunities.

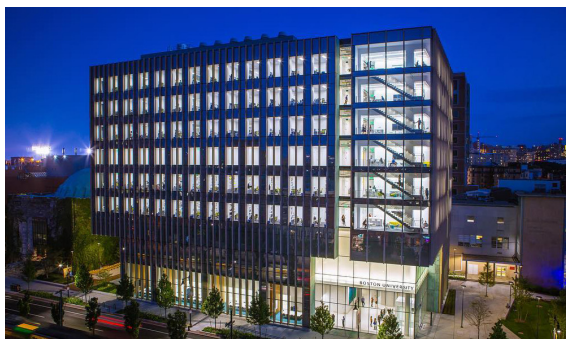
GRE Scores not required

The GRE is NOT required to apply for admission. Not submitting GRE scores will not have a negative impact on the evaluation of your application.

Math Minimum requirement—Applicants are required to have taken prior math coursework, typically including differential equations or equivalent.

Post-MS PhD in Biomedical Engineering 32 credits

- Molecular Bioengineering
- Quantitative Physiology for Engineers
- Biomedical Engineering Seminar
- BME PhD Laboratory Rotation System
- Literature Review
- Teaching Practicum I and II
- One Math course
- Two graduate-level technical electives
- Research credits



ENG Career Development Office (CDO)

The Engineering CDO works with our students to help them identify and pursue their career goals, through resume and cover letter writing workshops, career fairs, one-on-one advising.

APPLY NOW

Application Deadline:
December 15

Information:
www.bu.edu/eng/departments/bme/programs

Contact:
bmephd@bu.edu

BU.EDU/BME