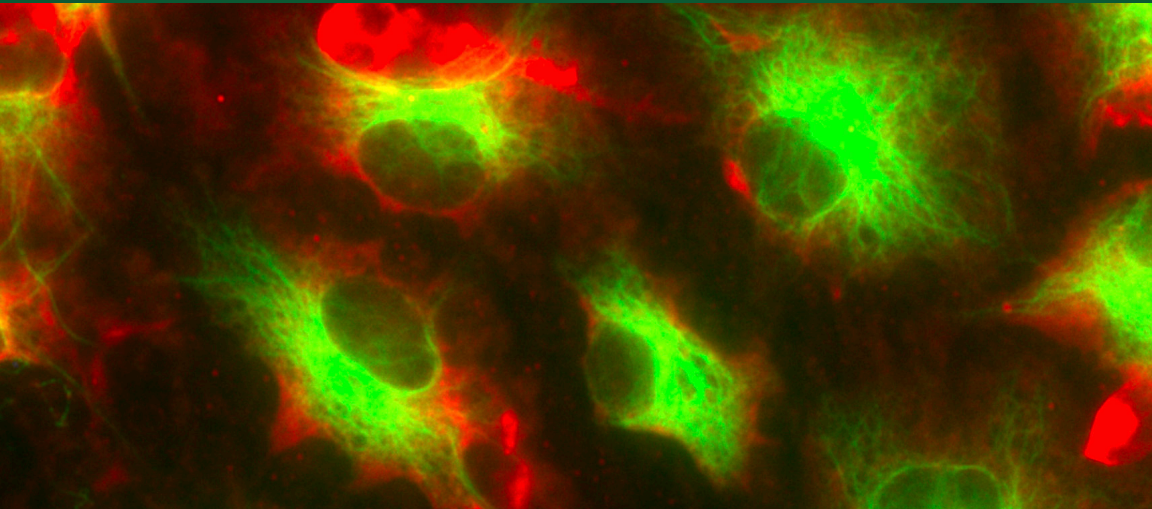


# MASTER OF SCIENCE



## Advanced Training in Biomedical Engineering

**36 credits**

**3 semesters**

**A rigorous, research-focused program designed for students seeking advanced careers in biomedical engineering.**

### **A Flexible, Professional Degree**

The Master of Science (MS) Program in Biomedical Engineering prepares students for both academia and industry. It can be completed in as little as one calendar year of full-time study, including a summer practicum. Part-time options are also available.



**Video:**  
BU BME Master of Science

### **Choose an original project or thesis**

Offering an exceptional roster of BU BME's top faculty, the program is designed to provide advanced training in biomedical engineering, through coursework and a hands-on practicum. Students may satisfy the practicum requirement by completing a mentored project or by carrying out original research that culminates in a written thesis.

### **Areas of Research**

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

### **Location - Boston's Biotech hub**

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

## Required Coursework

### Master of Science with Project

- Molecular Bioengineering or Quantitative Physiology for Engineers
- One Math course
- Three BME graduate-level electives
- Three graduate-level technical electives
- MS Mentored Project Course (one semester)

*Students have over 40 courses to choose from.*



### Master of Science with Thesis

- Molecular Bioengineering or Quantitative Physiology for Engineers
- One Math course
- Three BME graduate-level electives
- Two graduate-level technical electives
- MS Thesis Research Course (at least 2 semesters)

*Students have over 40 courses to choose from.*



## Professional development

Faculty, alumni and current students share networking references and mentoring to provide advice and assistance to meet each student's career goals. Our graduates are employed by leading companies in the pharmaceutical and healthcare fields, and in academia. Alumni have jobs in over 75 high-end biomedical companies.

## 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.

## 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.

## APPLY NOW

### Application Deadlines:

#### January 15 - Masters Priority Deadline

*All applications will be considered for scholarships, and those completed by January 15 will receive priority review.*

**March 15 - Applications received after March 15 will be reviewed on a space-available basis.**

### Information:

[www.bu.edu/eng/departments/bme/programs](http://www.bu.edu/eng/departments/bme/programs)

### Contact:

[bmemast@bu.edu](mailto:bmemast@bu.edu)

**BU.EDU/BME**