Master of Science Program
MECHANICAL ENGINEERING

JUMPSTART YOUR CAREER

Boston University College of Engineering
Department of Mechanical Engineering
Our MS program in Mechanical Engineering is designed for students who desire advanced training in specific areas of mechanical engineering as a prelude to a career in either research or industry. Students can focus on a variety of specific disciplines, including Robotics, dynamics, systems and controls, MEMS/nanotechnology, biomechanics, solid mechanics/materials, thermofluids, and acoustics.

The degree requires either completion of a research thesis or a project-based practicum. The latter is often completed in conjunction with local industry, providing students with both enrichment and exposure to a variety of companies in the Boston area. The choice lies with our students and depends upon their career goals and interests.

Our graduates go directly to work in industry and government laboratories. Some may also elect to continue their training toward a doctoral degree in mechanical engineering, applied mechanics, or a related field.

- 32 credits
- Can be completed in one calendar year
- Industrial or research experience included

More information about applying to our master's programs is available at [bu.edu/eng/admissions/grad/apply/deadlines-and-credentials](http://bu.edu/eng/admissions/grad/apply/deadlines-and-credentials) or contact:

Graduate Programs Office
enggrad1@bu.edu
(617) 353-9760

Helpful FAQs can be found at [bu.edu/eng/admissions/grad/apply/faq](http://bu.edu/eng/admissions/grad/apply/faq)

More information about the MS program at [bu.edu/me](http://bu.edu/me)
The Classes You Want  
The Flexibility You Need

To accommodate working professionals, numerous courses are accessible online in real time. Many others are offered in the evenings to accommodate busy schedules. Expand your knowledge and expertise by taking a wide array of courses such as:

- Robot Motion Planning
- Advanced Product Design
- Energy Conversion
- Green Manufacturing
- Precision Machine Design
- Soft Tissue Biomechanics

Areas of Focus

- Robotics, Systems, and Controls
- MEMS/Nanotechnology
- Biomechanics/Biomaterials
- Solid Mechanics/Materials
- Energy and Thermofluid Science
- Acoustics

Specialization Programs

Build further expertise by adding a Specialization in one or more of today's high-growth fields. The Specialization is annotated to your degree and transcript.

- Robotics
- Data Analytics
- Cyber Security

Depending upon your degree, you may need additional courses to meet the Specialization requirements.

Global Tech Hub

Join a vibrant research community in Boston’s thriving technology hub. Studying at Boston University places you in the heart of an area rich with major technology companies and start ups, allowing for diverse learning, research, networking and workforce opportunities.

World-Class Facilities

Access state-of-the-art facilities at our 15,000 square foot Engineering Product Innovation Center (EPIC), where you can gain hands-on experience with product design and realization. Explore technologies of the future in our new, 2,500 square foot Robotics Laboratory, which includes a space for testing autonomous aerial and ground vehicles.
Whether you plan a career in industry, government, research, BU College of Engineering provides the advanced technical skills and cross-disciplinary insights you need to achieve your goals.

Students in our master’s program have access to our dedicated Engineering Career Development Office, where you can find jobs and internships on our career database, participate in workshops on resume writing, networking and interviewing, get individual coaching, and meet reps from major companies with our on-campus Career Fairs.

Within 6 months, virtually all Mechanical Engineering graduates are employed or pursuing doctoral studies.

Where Your Master’s Degree Can Take You

Our students find employment with companies like:

- Alcatel-Lucent
- The Boeing Company
- Boston Scientific
- Chevron
- Draper Labs
- General Electric (GE)
- General Electric Aviation
- Google
- JP Morgan Chase & Co
- Lockheed Martin Corporation
- Mass General Hospital
- Raytheon

Visit our website at bu.edu/me