

# BIOMEDICAL ENGINEERING, MS (ONLINE)

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**More Information:** <https://engineering.case.edu/ebme/>

**Degree:** Master of Science (MS)

**Field of Study:** Biomedical Engineering

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## Program Overview

The objective of the graduate program in biomedical engineering is to educate biomedical engineers for careers in industry, academia, health care, and government and to advance research in biomedical engineering. The department provides a learning environment that encourages students to apply biomedical engineering methods to advance basic scientific discovery; integrate knowledge across the spectrum from basic cellular and molecular biology through tissue, organ, and whole-body physiology and pathophysiology; and to exploit this knowledge to design diagnostic and therapeutic technologies that improve human health. The unique and rich medical, science, and engineering environment at Case enables research projects ranging from basic science through engineering design and clinical application.

Numerous fellowships and research assistantships are available to support graduate students in their studies.

## Graduate Policies

For graduate policies and procedures, please review the School of Graduate Studies section of the General Bulletin.

## Program Requirements

The BME department offer BME MSc entirely online. For more information, please visit <https://case.edu/online-learning/courses-and-programs/online-masters-degrees-and-certificates-engineering>.

The Biomedical Engineering, MS (Online) program requires a total of 30 credit hours and is offered as course-only or project-focused. Required courses include:

- EPOM 400 Leadership and Interpersonal Skills, and a

Capstone course (one of the following):

- EBME 695 Project M.S., or
- EBME 471 Principles of Medical Device Design and Innovation, or
- ENGR 600 M.S. Engineering Culminating Experience

Visit <http://online-engineering.case.edu/biomedical> for more details regarding requirements.