BIOMEDICAL ENGINEERING - MASTER OF SCIENCE (MS)

The Biomedical Engineering Master of Science (MS) degree program is designed to be flexible to meet the individual student’s needs. Students will collaborate with faculty and other advisors to create a tailored degree plan based on their career interests and goals.

Students may choose either a coursework- or thesis-based MS. The thesis option requires completion of a research project with a faculty mentor, a written thesis that describes the research in detail, and an oral defense in front of a committee of program faculty.

For more information, visit the Biomedical Engineering MS Program (https://www.colorado.edu/bme/masters-program/) page.

Bachelor’s–Accelerated Master's Degree Program

Students may earn this degree as part of the Bachelor’s–Accelerated Master’s (BAM) degree program, which allows currently enrolled CU Boulder undergraduate students the opportunity to earn a bachelor’s and master’s degree in a shorter period of time.

For more information, see the Accelerated Master’s tab for the associated bachelor's degree(s):

- Biomedical Engineering - Bachelor of Science (BSBM) (https://catalog.colorado.edu/undergraduate/colleges-schools/engineering-applied-science/programs-study/biomedical-engineering/biomedical-engineering-bachelor-science-bsbm/#acceleratedmasterstext)

Requirements

Biomedical Engineering MS students must complete 30 credit hours at the 5000 level or higher and obtain a minimum of grade of C (2.0) in each class to count towards the degree. Of these 30 credit hours, at least 18 credit hours will be specifically in designated biomedical engineering courses, with the remaining credit hours obtained, as needed, from other fields (e.g., business, other engineering electives). Of the 18 credit hours of biomedical engineering coursework, one core course is required: BMEN 5117 Anatomy and Physiology for Biomedical Engineering (3 credits), which provides a foundation for advanced study. PhD students must receive a grade of B- (2.7) or higher in each course. Students must also maintain a 3.0 cumulative GPA or higher to be in good standing with the Graduate School.

For more information, visit the Biomedical Engineering MS Program (https://www.colorado.edu/bme/masters-program/#coursework_requirements-127) page.

Required Courses

- BMEN 5117 Anatomy and Physiology for Biomedical Engineering (offered starting Fall 2021)
- Up to 9 credit hours (3 courses) can be taken outside the College of Engineering, with the remainder in biomedical engineering or related fields.
- Thesis students must use 6 credit hours toward their thesis.