

Master of Science (MS) in Biomedical Engineering

The core curriculum that must be satisfied by all graduate MS students consists of the following:

- One graduate-level course (3 credits) in the area of life sciences
- One graduate-level course (3 credits) in the area of mathematics or computer science
- Three graduate courses (9 credit hours) in the area of BME from the approved course list
- Five graduate program electives (non-thesis option only) *or* three graduate program electives (thesis option only)

All courses for the MS-BME must be taken for a letter grade. At least 15 credits must be in Engineering courses.

Please visit the Policies and Regulations Guide located on the Biomedical Engineering (BME) website for a comprehensive list of the core and approved courses.

Candidates for the MS must accumulate a total of 30 graduate course credits beyond the bachelor's degree. Only 6 of these 30 credits may be transferred from another university. There are two options to obtain the degree: thesis and non-thesis.

Thesis Option

For this option, a minimum of 24 graduate course credits is required, with the balance being thesis research. The courses must fulfill the core curriculum requirements; courses can be found in the Policies and Regulations Guide on the BME website.

The remainder of the course work is generally driven by the student's research interest. Upon completion of the thesis, the candidate must pass an oral defense conducted by their thesis committee. This will consist of a public presentation followed by questions from the committee. Candidates must have a cumulative grade-point average of 2.7 or better to receive the degree.

Non-Thesis Option

Candidates must accumulate a total of 30 graduate credits, have a cumulative GPA of 2.7 or better, and satisfy the core curriculum requirements; courses can be found in the Policies and Regulations Guide on the BME website. The balance of the course credits should be selected with a view toward coherence reflecting a specialization in a research area.

Graduate-level courses given by other departments and schools may be substituted for courses in the approved list with the permission of the Director of Master's Studies. The full list of approved courses can be found in the Policies and Regulations Guide on the BME website.