

MASTER OF SCIENCE IN BIOMEDICAL ENGINEERING

This master's degree allows students to pursue advanced studies in biomedical engineering in the following areas: biomedical imaging and instrumentation, biomaterials and regenerative technologies, cellular engineering and mechanics, biomedical informatics and systems modeling, neuroengineering, and biomedical robotics.

The master's degree program requires 30 credit hours beyond the bachelor's degree. Both thesis and non-thesis options are available. Courses are offered all three terms; however, full-time students planning to complete the MS degree in 12 months should start their programs in the fall semester.

Thesis Option for Master of Science in Biomedical Engineering

Students must maintain a minimum GPA of 3.0 in their program coursework. If a student's GPA drops below the required 3.0, they will be given two consecutive semesters to regain the minimum required GPA. Failure to do so will result in the student's dismissal from the MSBMED program.

21 hours of coursework plus 9 hours of Thesis

Code	Title	Credit Hours
Courses ¹		21
Bioscience Courses		At least 3 hours
Engineering Courses		At least 3 hours
Data Science		At least 3 hours
Approved Electives		At least 6 hours
Thesis Hours ²		9
BMED 7000 Master's Thesis		
Total Credit Hours for Thesis Option		30

¹ The overall balance of bioscience, data science, and engineering courses is determined by the student and the academic advisor and should factor the student's prior knowledge, professional objectives and research interests if the thesis option is pursued. Courses must be documented on the Program of Study form and must be approved by the Graduate Program Committee.

² Students pursuing the Thesis Option must secure a thesis advisor. If a student is not able to do so, then the student will need to pursue the non-thesis option.

Non-Thesis Option for Master of Science in Biomedical Engineering

30 hours of coursework

Code	Title	Credit Hours
Courses ¹		30
Bioscience Courses		At least 3 hours

Engineering Courses	At least 3 hours
Data Science	At least 3 hours
Approved Electives	At least 9 hours
Total Credit Hours for Non-Thesis Option	30

¹ The overall balance of bioscience, data science, and engineering courses is determined by the student and the academic and thesis advisor and should factor the student's prior knowledge, professional objectives and research interests if the non-thesis option is pursued. Courses must be documented on the Program of Study form and must be approved by the Graduate Program Committee.

BS/MS Option

Students completing both a bachelor's and master's in biomedical engineering at Georgia Tech may use up to six credit hours of graduate-level coursework in the major discipline for both degrees. Students still must complete all other course requirements for both degrees.

Once admitted, a GPA of at least 3.0 must be maintained to remain in the program.

Up to six credit hours of engineering and data science courses from the approved lists for the MS BMED Program may be shared as depth electives with the BS BMED Program