

Biomedical Engineering, BSE

Combined Programs

Undergraduate to Graduate (U2G Programs)

Bachelor of Science in Engineering students in biomedical engineering may pair their degree with an Undergraduate to Graduate (U2G) program, which allows the student to earn a bachelor's and master's degree in five years of study. BME undergraduates are eligible to apply for the following U2G graduate programs and any other participating U2G programs. See the Undergraduate to Graduate (U2G) website for available programs.

BSE/MS in Biomedical Engineering

The College of Engineering offers a combined Bachelor of Science in Engineering/Master of Science for biomedical engineering undergraduate students who intend to earn an MS in biomedical engineering. Students admitted to this program are allowed to apply up to 12 s.h. of graduate coursework towards both the BSE and MS degree requirements and attend and participate in the departmental graduate seminar. Students may begin to work on their coursework or master's thesis starting as early as the summer following the junior year of undergraduate studies.

Students applying to the BSE/MS program in biomedical engineering must meet the following criteria at the time of application:

- a minimum of 80 s.h. completed towards their BSE degree;
- a cumulative grade-point average of 3.50 or higher; and
- identification of a research mentor if pursuing a thesis master's degree.

BSE/MPH (Occupational and Environmental Health Subprogram)

The combined BSE in biomedical engineering/MPH with the occupational and environmental health subprogram enables undergraduate students majoring in biomedical engineering to begin work toward the MPH degree while completing their bachelor's degree. Students may count 15 s.h. of credit toward both the BSE and the MPH degree requirements. See the Master of Public Health, MPH (occupational and environmental health subprogram) in the catalog.

BSE/MS in Electrical and Computer Engineering

BSE students majoring in biomedical engineering who are interested in earning a Master of Science in electrical and computer engineering may apply to the combined BSE/MS program offered by the College of Engineering. The combined program permits students to count a limited amount of credit toward the requirements of both degrees. See the MS in electrical and computer engineering in the catalog.

BSE (Biomechanics and Biomaterials Track)/MS in Occupational and Environmental Health (Industrial Hygiene Subprogram)

BSE students majoring in biomedical engineering in the biomechanics and biomaterials track who are interested in earning a Master of Science in occupational and environmental health with an industrial hygiene subprogram may apply to the combined BSE/MS program offered by the College of Engineering and the College of Public Health. The combined program permits students to count a limited amount of credit toward the requirements of both degrees, enabling them to begin the study of public health before they complete the bachelor's degree. See the MS in occupational and environmental health Undergraduate to Graduate (U2G) information on the Department of Occupational and Environmental Health (College of Public Health) website.