B.S. in Biomedical Engineering

Overview

Degree Requirements

Description
This Bachelor of Science in Biomedical Engineering (BME) degree program will prepare engineering students at the University of Mississippi to capably apply advanced mathematics, science, and engineering to solve the problems at the interface of engineering, biology, and medicine. Moreover, the curriculum will prepare graduates with the ability to make measurements on and interpret data from living systems, addressing the problems associated with the interaction between living and non-living materials and systems. The graduates of the program will be able to pursue (i) employment in biomedical or related industries (ii) graduate studies in biomedical engineering or related discipline, and (iii) pursue professional careers in medicine, dentistry, pharmacy, or patent law.

Minimum Total Credit Hours: 127

Course Requirements
Specific requirements for the B.S. in BME include Writ 100, Writ 101, or Hon 101; Writ 102, Liba 102 or Hon 102; Math 261-264, Math 353; Chem 105, 106, 115, 116, 221, 225; Phys 211, 212, 221, 222; Bisc 160, 161; Csci 251; Econ 310; Engr 310, 360, 400; Eli E 313, 314, 331; Ch E 307, 308; BME 200, 222, 333, 444, 461, 462.

Specializations
- Emphasis - Bioinformatics
- Emphasis - Biomedical
- Emphasis - Biomolecular