BIOMEDICAL ENGINEERING, MINOR

Program Overview

The Department of Biomedical Engineering offers a minor in biomedical engineering for undergraduate students.

Undergraduate Policies

For undergraduate policies and procedures, please review the Undergraduate Academics section of the General Bulletin.

Program Requirements

A minor in biomedical engineering consists of an approved set of five EBME courses.

Code	Title	Credit Hours
Required Courses:		
EBME 201	Physiology-Biophysics I	3
EBME 202	Physiology-Biophysics II	3
Choose one of the following:		*3*
EBME 306	Introduction to Biomedical Materials	
EBME 308 & EBME 358	Biomedical Signals and Systems and Biomedical Signals and Systems Laboratory [a]	
EBME 309 & EBME 359	Modeling of Biomedical Systems and Biomedical Computer Simulation Laboratory	
EBME 310 & EBME 360	Principles of Biomedical Instrumentation and Biomedical Instrumentation Laboratory	
Choose two of the following:		*6*
EBME 303	Structure of Biological Materials	
EBME 305	Materials for Prosthetics and Orthotics	
EBME 306	Introduction to Biomedical Materials	
EBME 307	Biomechanical Prosthetic Systems	
EBME 308 & EBME 358	Biomedical Signals and Systems and Biomedical Signals and Systems Laboratory [a]	
EBME 309 & EBME 359	Modeling of Biomedical Systems and Biomedical Computer Simulation Laboratory	
EBME 310 & EBME 360	Principles of Biomedical Instrumentation and Biomedical Instrumentation Laboratory	
EBME 316	Biomaterials for Drug Delivery	
EBME 320	Biomedical Imaging	
EBME 325	Introduction to Tissue Engineering	
EBME 327	Bioelectric Engineering	
EBME 350	Quantitative Molecular, Cellular and Tissue Bioengineering	
EBME 361	Biomedical Image Processing and Analysis	
Total Credit Hours		**15**

a If a student has credit for ECSE 246, EBME 308 and EBME 358 will not satisfy a requirement for the biomedical engineering minor.