

BIOMEDICAL ENGINEERING, MINOR

Saint Louis University's minor in biomedical engineering allows students to see how the biological and medical sciences can intersect with engineering to improve patient quality of life.

Students minoring and biomedical engineering at SLU also have an opportunity to see firsthand how interdisciplinary the field is and the role that their primary major can play in the development of medical technologies. In addition, the minor provides occupational awareness to students who may not know how medical technologies are created or what job opportunities are available in the field.

Requirements

Code	Title	Credits
Basic Physiology		
BME 2200	Applied Physiology for Engineers	3
or PPY 2540	Human Physiology	
Basic Biomedical Engineering		
Select a maximum of 2 courses from the following:		0-6
BME 2000	Biomedical Engineering Computing	
BME 3100	Signals	
BME 3150	Biomedical Instrumentation	
BME 3200	Mechanics	
BME 3300	Transport Fundamentals	
BME 3400	Materials Science	
Advanced Biomedical Engineering		
Select a minimum of 3 courses and a maximum of 5 courses from the following:		9-15
BME 4100	BioData Processing and Machine Learning	
BME 4130	Medical Imaging	
BME 4150	Brain Computer Interface	
BME 4200	Biomechanics	
BME 4210	Human Movement Biomechanics	
BME 4300	Biotransport	
BME 4320	Drug Delivery	
BME 4400	Biomaterials	
BME 4410	Tissue Engineering	
BME 4430	Regenerative Engineering	
BME 4600	Quantitative Physiology I	
BME 4650	Quantitative Physiology II	
Total Credits		18

To initiate a minor in biomedical engineering, a student must file a "Minor in BME" plan with the Department of Biomedical Engineering after meeting with a biomedical engineering faculty member to discuss the minor courses and their prerequisites. The "Minor in BME" form serves as a planning tool and will be on file in the biomedical engineering department and with the student's academic advisor in the major area. The completion of a minor in biomedical engineering must be certified by the chair or the biomedical engineering program coordinator as part of the graduation check.

Continuation Standards

- The grades in all biomedical engineering minor courses must be "C-" or better.
- Students must maintain a minimum 2.00 GPA.