

# BIOMEDICAL ENGINEERING

## COURSES

### AREAS OF SPECIALTY

Biosignals & Biosystems Engineering  
Medical Devices  
Biomedical Imaging  
Systems Cellular-Molecular Bioengineering  
Biomechanics  
Biomedical Microelectromechanical  
Systems (BioMEMS)

BME 501, 4 credits: Advanced Studies in Biomedical Systems ( Fall & Spring)

BME 502, 4 credits: Advanced Studies of the Nervous System ( Fall only)

BME 506, 3 credits: Bioengineering of Disease & Cell Therapeutics (SPRING)

BME 510, 3 credits: Cellular Systems Engineering (Fall, every other year)

BME 511, 3 credits: Physiological Control Systems (Fall)

BME 513, 3 credits: Signals & Systems Analysis (Fall & Spring)

BME 525, 3 credits: Advanced Biomedical Imaging (Spring)

BME 530, 3 credits: Introduction to Systems Biology (Spring)

BME 559, 3 credits: Nanomedicine & Drug Delivery (Fall)