

## Biomedical Engineering

### **BME 467 Intro to Biomedical Eng 3 cr**

Survey of topics and current issues in the field of biomedical engineering. Topics include biomechanics, biomedical instrumentation, biomaterials engineering, biomedical imaging, cellular mechanics, tissue engineering, biomedical design and ethics. A portion of the course is devoted to basic biology concepts and principles. Students will review literature and discuss technical and technological developments relevant to biomedical engineering.

Pre-requisite: ME 328 Minimum Grade of C. ME 328 can be taken concurrently with this course.

### **BME 567 Principles of Biomedical Eng 3 cr**

Survey of topics and current issues in the field of biomedical engineering. Topics may include biomechanics, biomedical instrumentation, biomaterials engineering, biomedical imaging, cellular mechanics, tissue engineering, biomedical design and ethics. A portion of the course is devoted to basic biology concepts and principles. Students will review literature and discuss technical and technological developments relevant to biomedical engineering.

Pre-requisite: MA 507 Minimum Grade of C. MA 507 can be taken concurrently with this course.