

BIOMEDICAL ENGINEERING (BME) (BME)

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.

Prerequisite: ME 328 (may be taken concurrently) Minimum Grade of C

Cross-Listed: ME 467

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.

Prerequisite: MA 507 (may be taken concurrently) Minimum Grade of C

Cross-Listed: ME 567