## DEPARTMENT OF BIOMEDICAL ENGINEERING
### 2010 – 2012 Technical Area 2
#### Cellular and Biomolecular Engineering

### Legend
- **M**: Major Sequence
- **T**: Technical Area
- **S**: Supporting Course
- **C**: Core Curriculum
- **B**: Basic Sequence
- **PRE**: PRE-REQ
- **CO-REQ**: CO-REQ

### Semester I (Fall)
- **BME 221** M Measurement and Instrumentation Lab
- **BME 343** M Signals & Systems Analysis in BME
- **BIO 308L** (BME 343)
- **BME 333T** BME 343
- **BME 335**

### Semester II (Spring)
- **BME 251** M Biomedical Image, Signal and Transport Process
- **BME 348** M Modeling of BME Systems
- **BME 365S** M Engineering Physiology II
- **BME 365R** M Transport Phenomena in Living Systems
- **BME 354** T Tissue Engineering
- **CH 320N & 220C** T Organic Chem II & Lab

### Semester III (Fall)
- **BME 370** M Principles of Engineering Design
- **BME 349** M Biomedical Engineering Project
- **BME 353** M Biomedical Image, Signal and Transport Process
- **BIO 314** M 427K
- **CH 320N & 220C** CH 320N & 220C

### Semester IV (Spring)
- **BME 371** M Biomedical Engineering Project
- **BME 341** M Biomedical Image, Signal and Transport Process
- **BIO 314** M 427K
- **CH 320N & 220C** M 427K

### Six credit hours can be any combination of the following. Choose **two**:
- Any BME Tech Elective (3 hours)
- Any Upper-division Engr (3 hrs)
- Any Upper-division Comp Sci (3 hours)
- Any Upper-division Physics (3 hours)
- Any Upper-division Math (3 hours)

**The following rules apply for technical electives:**

**Must choose two from the following:**
- Any upper-division Engr (3 hrs)
- Any upper-division BME (3 hrs)
- Any upper-division Math (3 hrs)
- Any upper-division Comp Sci (3 hrs)
- Any upper-division Physics (3 hrs)
- BME 377(x)
- Graduate Course (3 hrs)

### Revised:
3/27/2012