DEPARTMENT OF BIOMEDICAL ENGINEERING
2008 – 2010 General Curriculum

**Fall 1**
- **BME 102** B Principles of Biomedical Engineering
- **BME 303** B Intro to Computing in BME
- **CH 301**
- **CH 302** B Principles of Chemistry II
- **CH 302** B Introduction to Chemical Practice
- **BIO 311C** B Introductory Biology I
- **M 408C** B Differential and Integral Calculus

**Spring**
- **E E 312** B Introduction to Programming
- **PHY 303K** B Engineering Physics I
- **PHY 303K** B Engineering Physics I Lab
- **PHY 103M** B Engineering Physics II
- **M 408D** B Sequences, Series, Multivariable Calculus

**Fall 2**
- **BME 314** B Engineering Foundations of BME
- **CH 318M or 310M** B Organic Chemistry I
- **CH 318M** B Organic Chemistry Lab
- **PHY 303L** B Engineering Physics II
- **PHY 103N** B Engineering Physics II Lab
- **M 427K** B Advanced Calculus for Applications

**Spring**
- **BME 113L** B Introduction to Numerical Methods
- **BME 311** B Electronic Circuits Analysis in Biomedical Engineering
- **BME 333T** B Technical Communication
- **BME 335** M Engineering Probability and Statistics
- **CH 353M or 339K** B Physical Chemistry and Thermodynamics
- **CH 369 or 339K** B Fundamentals of Biochemistry

**Fall 3**
- **BME 221** M Measurement and Instrumentation Lab
- **BME 343** M Signals & System Analysis in Biomedical Engineering
- **BME 365R** M Engineering Physiology I
- **BME 353** M Transport Phenomena in Living Systems
- **BME 251** M Biomedical Image, Signal and Transport Process
- **BME 348** M Modeling of BME Systems
- **BME 365S** M Engineering Physiology II
- **BME 350R** M Technical Elective
- **BME 350R** M Technical Elective
- **BME 350R** M Technical Elective

**Spring**
- **BME 370** M Principles of Engineering Design
- **BME Sr. Elective** Varied as per sequence
- **Technical Elective**
- **Soc. Sci.** C Social Science Elective from Approved List
- **GOV 310L** C American Government
- **Vis/Pa** C Visual & Performing Arts from Approved List

**Fall 4**
- **BME 371** M Biomedical Engineering Project
- **BME Sr. Elective** Varied as per sequence
- **Technical Elective**
- **GOV 312L** C Issues and Policies in American Government
- **His. Elect.** C History Elective from Approved List

**Legend**
- **B** – Basic Sequence
- **M** – Major Sequence
- **S** – Supporting Course
- **C** – Core Curriculum
- **T** – Technical Area
- **PRE-REQ** – Pre-requisite
- **CO-REQ** – Co-requisite

Revised: 3/22/12