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 302 [B] Principles of Chemistry II
CH 204 [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
BIO 20(5/6)L [B] Biochemistry and Molecular Biology
PHY 303K [B] Engineering Physics I
PHY 103M [B] Engineering Physics II Lab
M 408D [B] Sequences, Series, Multivariable Calculus
RHE 306 [B] Rhetoric and Composition

Fall 2

BME 314 [B] Engineering Foundations of BME
CH 318M or 310M [B] Organic Chemistry I
CH 118K [S] Organic Chemistry I Lab
PHY 303L [B] Engineering Physics II
PHY 103N [B] Advanced Calculus for Applications
E 316K [C] Masterworks of Literature

Spring

BME 113L [B] Introduction to Numerical Methods
BME 311 [B] Electronic Circuits Analysis in Biomedical Engineering
BME 333T [B] Technical Communication
RHE 306 [B] Rhetoric and Composition

Fall 3

BME 221 [M] Measurement and Instrumentation Lab
BME 343 [M] Signals & System Analysis in BME
BME 365R [M] Engineering Physiology I
BME 353 [M] Transport Phenomena in Living Systems
CH 353M or 353L [S] Physical Chemistry and Thermodynamics

Spring

BME 251 [M] Biomedical Image, Signal and Transport Process
BME 348 [M] Modeling of BME Systems
BME 365S [M] Engineering Physiology II
Technical Elective
Technical Elective

Fall 4

BME 370 [M] Principles of Engineering Design
BME Sr. Elective
Technical Elective
Technical Elective
Soc. Sci. [C] Social Science Elective from Approved List
Vis/Pa [C] Visual & Performing Arts from Approved List

Spring

BME 371 [M] Biomedical Engineering Project
BME Sr. Elective
Technical Elective
Technical Elective
Technical Elective
Technical Elective
Hist. Elect. [C] History Elective from Approved List

Legend

BME 314 [B] Engineering Foundations of BME
BME 314 [B] Biomedical Image, Signal and Transport Process
BME 333T [B] Technical Communication
RHE 306 [B] Rhetoric and Composition

Pre-requisite – credit for Co-requisite – credit or registration for
B – Basic Course
M – Major Sequence
S – Supporting Course
C – Core Curriculum
T – Technical Area

Revised: 3/22/2012