Biological Engineering Curriculum
2015-2016

Mathematics & Statistics (19 cr)
Math 1500 Calculus I (5)
Math 1700 Calculus II (5)
Math 2300 Calculus III (3)
Math 4100 Differential Equations (3)
Statistics (from approved list) (3)

Basic Science (28 cr)
Phys 2750 University Physics I (5)
Phys 2760 University Physics II (5)
Chem 1320 General Chemistry I (4)
Chem 2100 Organic Chemistry (3)
Biol 1500 Intro to Biological Systems (5)
Bio & Related Science (from approved list) (6)

General Education (21 cr)
Behavioral and Social Science (9)
Includes - Economics and American History or Government
English 1000 Exposition and Argumentation (3)
Humanities and Fine Arts (9)

Basic Engineering (14 cr)
Engr 1100 Engineering Design Graphics (2)
Engr 1200 Statics (3)
Engr 2200 Strength of Materials (3)
Fluid Mechanics (from approved list) (3)
Thermodynamics (from approved list) (3)

Biological Engineering (19 cr)
BioEn 1000 Intro to Biological Engineering (1)
BioEn 2000 Professional Development in Engineering (2)
BioEn 2080 Programming for Engineers (3)
BioEn 2180 Engineering Analysis of Bioprocesses (3)
BioEn 3180 Heat & Mass Transfer in Bio Systems (3)
BioEn 4380 Applied Electronic Instrumentation (4)
BioEn 4980 Biological Engineering Design (3)

Technical Elective Courses (24 cr) – to develop a technical emphasis
All must be upper-level engineering courses

Additional credit to make 126 credit hours (1)

October 12, 2015