BSE – Bioprocess Engineering (BIOE) Concentration - 2016

FRESHMAN

ENGR 1012 (2) Engineering Graphics
ENGR 1016 (2) Introduction to Engineering Design
ENGR 2050 (3) Materials and Processes
ENGL 2201
CHEM 1110
CHEM 1150
MATH 2151 (3) Calculus I
P/C: MATH 2053

SOPHOMORE

ENGR 2000 (1) Engineering Design/PM I
ENGR 2022 (3) Statics
ENGR 3040 (4) Bioprocess Engineering Systems
CHEM 2750/2753 (4) General Chemistry II
ENGR 2070 (3) Materials and Processes
ENGR 2450 (3) Dynamics
ENGR 3024 (3) Mechanics of Materials
ENGR 3800 (3) Quality Control for Engineers
MATH 2152 (3) Calculus III
P/C: MATH 2154

JUNIOR

MATH 2154 (4) Linear Algebra & Diff. Eqns.
PHYS 2360 (4) University Physics II
MATH 3307 (3) Engineering Statistics
ENGR 2514 (4) Circuit Analysis
ENGR 3420 (2) Engineering Economics
ENGR 3000 (2) Engineering/PM II
CHEM 1150 (3) Engineering Statistics
ENGR 3250 (3) Bioprocess Separation Engineering
ENGR 3050 (3) Sensors Measurements and Controls
MATH 2154 (3)

SENIOR

ENGR 4010 (2) Capstone Design I
ENGR 4020 (2) Capstone Design II
ENGR 4006 (2) Bioprocess Engr. Separation
BIOE 3013
MATH 3307

Math/Science: 32 hours

MATH 2152 (3)
PHYS 2350 (4) University Physics I
ENGR 2022 (3) Statics
ENGR 2070 (3) Technology
ENGR 2450 (3) Dynamics
CHEM 1150
CHEM 1151
MATH 2152

Math/Science: 32 hours

ENGR 1016 (2) Introduction to Engineering Design
ENGR 2000 (1) Engineering Design/PM I
ENGR 2022 (3) Statics
ENGR 2450 (3) Dynamics
ENGR 3024 (3) Mechanics of Materials
ENGR 3800 (3) Quality Control for Engineers
MATH 2152 (3) Calculus III
P/C: MATH 2154

MATH 2153 (3) Calculus III
P/C: PHYS 2350

MATH 2154 (3)

MATH 3307 (3)

ENGR 3000 (2) Engineering/PM II
ENGR 3420 (2) Engineering Economics
ENGR 4010 (2) Capstone Design I
ENGR 4020 (2) Capstone Design II

Humanities/Fine Arts: Must complete at least one course in the humanities and one course in fine arts.

Diversity: At least one elective course must be designated as GD (Global Diversity) or DD (Domestic Diversity).

Note: This chart is for planning purposes only. It is the student’s responsibility to ensure that requirements as detailed in the Undergraduate Catalog are met.

Revision Date: 04/25/16