BS Engineering – Bioprocess Engineering (BIOE) Concentration – 2022

Freshman
- Fall: ENGR 1012 (2) Engineering Graphics
- Spring: ENGR 1000 (1) Introduction to Engineering
- Math/Science: 32 hours
- General: 27 hours
- ENGL 1100 (3) Composition
- Social Sciences Elective (3)

Sophomore
- Fall: ENGR 2050 (3) Computer Applications in Engineering
- Spring: ENGR 2070 (3) Materials and Processes
- Math/Science: 32 hours
- CHEM 1150 (4) General Chemistry I

Junior
- Fall: ENGR 2000 (1) Engineering Design/PM I
- Spring: ENGR 2001 (1) Linear Algebra Lab
- Math/Science: 32 hours
- MATH 3307 (3) Engineering Statistics

Senior
- Fall: ENGR 2450 (3) Statics
- Spring: ENGR 2514 (4) Circuit Analysis
- Math/Science: 32 hours
- CHEM 2750/2753 (4) Organic Chemistry I

Revision Date: June 13, 2022
See other side for legend, other important information
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- Concentration-specific courses are **only** offered in the semester shown on this sheet.

- **Diversity:** At least one elective course must be designated as GD (Global Diversity) and at least one elective course must be designated as DD (Domestic Diversity).

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

- **Social Sciences:** Must complete courses in at least two different subject areas.

- Students may take **BIOL 1100/1101 Principles of Biology I/Lab** in lieu of **BIOL 1050/1051 General Biology I/Lab**

- Students may use **MATH 2154 Engineering Linear Algebra and Differential Equations** as a prerequisite in lieu of **ENGR 2001 Linear Algebra Lab 1** or **MATH 4331 Introduction to Ordinary Differential Equations**

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.