BS Engineering – Environmental Engineering (ENVE) Concentration – 2022

**FRESHMAN**

- **Fall**
  - **ENGR 1012 (2)** Engineering Graphics
  - **ENGR 1000 (1)** Intro to Engineering

- **Spring**
  - **ENGR 1016 (2)** Introduction to Engineering Design
  - **ENGR 2050 (3)** Computer Applications in Engineering

**Sophomore**

- **Fall**
  - **ENGR 2000 (1)** Engineering Design/PM I
  - **MATH 2152 (3)** Calculus II

- **Spring**
  - **ENGR 2001 (1)** Linear Algebra Lab
  - **MATH 2152 (3)** Calculus II

**Junior**

- **Fall**
  - **ENGR 3420 (2)** Engineering Economics
  - **ENGR 2022 (3)** Statics

- **Spring**
  - **ENGR 3420**
  - **ENGR 3203 (3)** Water Quality

**Senior**

- **Fall**
  - **ENGR 4010 (2)** Capstone Design I

- **Spring**
  - **ENGR 4020 (2)** Capstone Design II

**Math/Science: 32 hours**

- **Fall**
  - **MATH 2171 (4)** Calculus I

- **Spring**
  - **MATH 2152 (3)** Calculus II

**General: 27 hours**

- **Fall**
  - **ENGL 1100 (3)** Composition

- **Spring**
  - **ENGL 2201 (3)** Writing about the Disciplines

**Credit hours per Semester**

- Fall: 15/32
- Spring: 17/49

**Cumulative Credit Hours**

- Fall: 18/66
- Spring: 15/82
- Summer: 15/97
- Fall: 14/111
- Spring: 14/125

**Revision Date: June 13, 2022**

See other side for legend, other important information.
• 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

• Approved technical electives for the **Environmental Engineering Concentration** (as of Spring 2022)
  – Any 3000, 4000, or 5000 level engineering class not required for the ENVE concentration will count as a technical elective
  – EHST 5800: Solid and Hazardous Waste Management and Laboratory
  – GEOG 3430: Geographic Information Systems I
  – GEOG 4210: Fluvial and Hydrological Processes
  – GEOL 3209: Environmental Forensics
  – GEOL 3500: Hydrogeology and the Environment
  – GEOL 5150: The Geologic Component of Environmental Science
  – GEOL 5450: Introduction to Aqueous Geochemistry
  – GEOL 5700/5701: Geohydrology of Drainage Basins and Laboratory
  – ICS 4001: Designing Adaptation Strategies for Coastal Hazards

**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.