

# **Environmental Engineering Minor**

## **Program Description**

The minor in Environmental Engineering is designed to provide students in engineering, science, and other majors with a comprehensive study of environmental issues and the skills necessary to solve problems associated with environmental pollution. Today, environmental concerns strongly influence many aspects of engineering practice.

The curriculum is designed to provide students with:

- (a) a foundation to pursue a career in environmental engineering and
- (b) an understanding of the environmental consequences of their designs.



This program is a part of the Southern Polytechnic College of Engineering and Engineering Technology.

## **Admission, Enrollment, and Graduation Policies**

### Admission Requirements

This program does not have specific admission requirements and only admission to Kennesaw State University is required. For more information, please see the Admissions section of the catalog.

### Enrollment Requirements

Upper division engineering courses require Engineering Standing.

### Graduation Requirements

Each student is expected to meet the requirements outlined in the Academic Policies: 5.0 PROGRAM REQUIREMENTS & GRADUATION.

## **Program Course Requirements**

### **Required Basic and Engineering Science and Mathematics Prerequisite Courses (23 Credit Hours)**

Most of the engineering disciplines require these courses. Non-engineering students may have to take these courses before they can take the Environmental Engineering Breadth and Depth Courses.

- CHEM 1211: Principles of Chemistry I
- CHEM 1211L: Principles of Chemistry Laboratory I
- CHEM 1212: Principles of Chemistry II

- CHEM 1212L: Principles of Chemistry Laboratory II
- PHYS 221I: Principles of Physics I
- PHYS 221IL: Principles of Physics Laboratory I
- ENGR 2214: Engineering Mechanics – Statics
- ENGR 3343: Fluid Mechanics
- ENGR 3345: Fluid Mechanics Laboratory
- MATH 1190: Calculus I

#### **Required Environmental Engineering Breadth Courses (8 Credit Hours)**

- CE 3702: Introduction to Environmental Engineering
- CE 3703: Environmental Engineering Design
- CE 3704: Introduction to Environmental Engineering Laboratory
- CE 4371: Environmental Engineering Laboratory

#### **Required Environmental Engineering Depth Courses (9 Credit Hours)**

Select any three (3) courses from the following:

- CE 4343: Solid Waste Engineering
- CE 4353: Air Pollution Control
- CE 4363: Environmental Engineering Chemistry
- CE 4373: Environmental Engineering Microbiology
- CE 4383: Sustainability for Engineers
- CE 4708: Hazardous Waste Engineering

#### **Required Program Total (17 Credit Hours)**