

Environmental Engineering, Minor

Overview

The minor in environmental engineering opens opportunities for students across the university who are interested in gaining knowledge in issues related to the environment and associated engineering solutions as presented through courses from the Department of Civil and Environmental Engineering.

A total of 16 semester hours is required to complete this minor. Students interested in this minor must contact the civil and environmental engineering academic advisor in order to declare the minor. This minor is open to engineering and non-engineering students, except for civil engineering or environmental engineering majors. No more than two courses completed for a degree program may be applied to this minor.

Program Requirements

Complete all courses listed below unless otherwise indicated. Also complete any corequisite labs and recitations courses where specified.

Required Course

Code	Title	Hours
CIVE 2334	Environmental Engineering: Principles, Technology, and Sustainability	4

Electives

Code	Title	Hours
Complete 12 semester hours from the following:		12
CIVE 2300 and CIVE 2301	Environmental Measurements in Natural and Engineered Systems and Lab for CIVE 2300	
CIVE 2331	Fluid Mechanics and Hydraulics	
CIVE 2335	Environmental Engineering Chemistry	
CIVE 3430	Engineering Microbiology and Ecology	
CIVE 3435	Environmental Pollution: Fate and Transport	
CIVE 4534 and CIVE 4535	Water Treatment Systems Design and Lab for CIVE 4534	
CIVE 4540	Resource Recovery and Waste Treatment Technologies Abroad	
CIVE 4777	Climate Hazards and Resilient Cities Abroad	
CIVE 5150	Climate and Atmospheric Change	
CIVE 5250	Organic Pollutants in the Environment	
CIVE 5260	Environmental Fluid Mechanics	
CIVE 5261	Dynamic Modeling for Environmental Investment and Policymaking	
CIVE 5271	Solid and Hazardous Waste Management	
CIVE 5275	Life Cycle Assessment of Materials, Products, and Infrastructure	
CIVE 5280	Remote Sensing of the Environment	
CIVE 5281	Coastal Dynamics and Design	
CIVE 5363	Climate Science, Engineering Adaptation, and Policy	
CIVE 5366	Air Quality Engineering and Science	
CIVE 5536	Hydrologic and Hydraulic Design	
GE 3300	Energy Systems: Science, Technology, and Sustainability	

GPA Requirement

2.000 GPA required in CIVE and GE courses