THE UNIVERSITY OF RHODE ISLAND

THINK BIG WE DO℠

Environmental Engineering Minor

Department of Civil and Environmental Engineering

Environmental engineering involves the study of clean water, clean air, waste management and preservation of resources, in ways that minimize effects detrimental to the earth's environment.

The environmental engineering minor comprises a minimum of 18 credit hours, at least half of which must be earned at URI, including two "Fundamental Science" courses, two "Environmental Engineering Fundamentals" courses (for non-CVE majors), and up to four "Environmental Engineering Design" courses from an approved list. Students may also select one course from a list of approved "Supporting Courses".

Only engineering students may pursue this minor. Students declaring this minor must earn a minimum grade point average of 2.50 in ALL courses counted toward the minor. Students will need to complete at least 12 credit hours before submitting the Environmental Engineering Minor form and have it signed by the Environmental Engineering Minor Coordinator, Dr. Ali S. Akanda (akanda@uri.edu), and the Civil and Environmental Engineering Department Chair, Dr. Leon Thiem (lt@uri.edu). Students are responsible for meeting the prerequisite requirement for individual courses, as applicable.

A. Fundamental Science: Select 2 courses

MCE 341*	Fundamentals of Thermodynamics
CHM112	General Chemistry II
CHE 212*	Chemical Process Calculations
CHM 227	Organic Chemistry Lecture I

B. Environmental Engineering Fundamentals (Required for non-CVE students)

CVE 374	Environmental Engineering (required)
CVE 370	Hydraulic Engineering *OR*
CVE 470	Water and Wastewater Transport Systems

C. Environmental Engineering Design: Select up to 4 courses

CVE 323G	Humanitarian Engineering
CVE 325G	Connecting Dots: Water-Energy-Health Nexus
CVE 471	Water and Wastewater Treatment Systems
CVE 474	Water Quality Sampling and Analyses
CVE 475	Water in the Environment
CVE 477	Env. Sustainability and Green Engineering
CVE 482	Innovative Remediation Technologies
CVE 484	Env. Hydrogeology – Fate and Transport of Cont.
CVE 491/492	Special Problems

D. Supporting Courses: May select 1 course

CPL/LAR 434	Introduction to Environmental Law
CPL 485	Environmental Planning
EEC 430	Water Resource Economics Global
GEO 305	Climate Change
GEO 462	Biogeochemical Cycles
GEO 483	Hydrogeology
ISE 460	Design for the Environment
NRS 409	Concepts in GIS/Remote Sens.
NRS 412	Fundamentals of GIS
NRS 410	Soil-Water Chemistry
NRS 415	Remote Sensing of The Env.
NRS 461	Watershed Hydrology and Mngt.
OCG 480	Introduction to Marine Pollution
CHE 364	Chem. Kinetic and Reactor Design
CHE 574	Biochemical Engineering

**CHE majors cannot use CHE 212 and MCE majors cannot use MCE 341 as a course toward the requirements of this minor.*

Ali S. Akanda, Associate Professor
Coordinator of the Environmental Engineering Minor
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https://web.uri.edu/engineering/academics/minors/environmental/

UNIVERSITY OF RHODE ISLAND
COLLEGE OF ENGINEERING

MINOR IN Environmental ENGINEERING

1. Engineering undergraduate students may declare a "**MINOR IN ENVIRONMENTAL ENGINEERING**" field of study, which will be listed on the student's academic record after graduation. Requirements of the minor are satisfied by completing 18 credit hours from the approved course list. A minimum GPA of 2.5 must be earned in all the courses counted towards the minor. At least one-half of the credits must be earned at University of Rhode Island.
2. *With prior approval,* supporting courses may be substituted with appropriate other courses including Special Project courses.
3. Application can be filed in the Engineering Dean's Office as soon as 12 credit hours are completed; the rest of the courses are selected, and the form approved by the Environmental Engineering Minor coordinator and the CVE Department Chair.

Name: _____ **Student ID Number:** _____

Major: _____ **Intended Graduation Date (mm/yy):** _____

Name of Minor: **Environmental Engineering**

Course No.	Course Title	Credits	Grade
	Total Credits/GPA:		

Environmental Engineering Minor Coordinator's Signature _____ **Date (mm/dd/yy)** _____

Civil and Environmental Engineering Department Chairperson's Signature _____ **Date (mm/dd/yy)** _____

Dean of Engineering's Signature _____ **Date (mm/dd/yy)** _____

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