

## 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](mailto:akanda@uri.edu)). Students are responsible for meeting the prerequisite requirement for individual courses, as applicable.

<p><b>A. Fundamental Science: Select 2 courses</b></p> <p>MCE 341*      Fundamentals of Thermodynamics            CHM112        General Chemistry II            CHE 212*     Chemical Process Calculations            CHM 227       Organic Chemistry Lecture I</p>	<p><b>D. Supporting Courses: May select 1 course</b></p> <p>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</p> <p><i>*CHE majors cannot use CHE 212 and MCE majors cannot use MCE 341 as a course toward the requirements of this minor.</i></p>
<p><b>B. Environmental Engineering Fundamentals (Required for non-CVE students)</b></p> <p>CVE 374        Environmental Engineering (required)            CVE 370        Hydraulic Engineering OR            CVE 470        Water and Wastewater Transport Systems</p>	
<p><b>C. Environmental Engineering Design: Select up to 4 courses</b></p> <p>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</p>	

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<https://web.uri.edu/engineering/academics/minors/environmental/>



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.

**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)**

\_\_\_\_\_  
**Assistant Dean of Engineering’s Signature** **Date (mm/dd/yy)**

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