

ENVIRONMENTAL ENGINEERING, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

Program Description

This minor 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.

What is Environmental Engineering?

The challenges in our modern society are complex and multi-faceted, demanding solutions across a wide range of disciplines. Environmental engineers have long recognized the need for convergence across disciplines to find sustainable solutions to water and climate issues that have broad societal importance. Penn State's Environmental Engineering Minor is an interdisciplinary program administered by the Department of Civil and Environmental Engineering. This minor 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 and climate change. A certificate is awarded to students who complete the requirements of the minor.

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Environmental engineers use principles from engineering, chemistry, biology, and geology to solve environmental problems. Relevant issues include water treatment and remediation, waste disposal, air pollution, and energy production. Students enrolled in the minor may select from a suite of classes that develop the fundamental skills needed to address these problems. Multiple courses not listed in the requirements section can be approved to count towards the minor through the course substitution request system.