

Minor in Environmental Engineering

Room 514, Engineering Building
1947 North 12th Street
Philadelphia, PA 19122
215-204-7814

The Department of Civil and Environmental Engineering (CEE) offers a five-course (15 s.h.) undergraduate Minor in Environmental Engineering. Undergraduates from the Physical Sciences, Mathematics, and Engineering are eligible to participate in this program.

The purpose of the Minor is to allow students from a wide range of undergraduate majors to obtain an introductory background in sustainability, pollution prevention, environmental modeling, and pollution control technologies most appropriate to their interests and major field. The Minor in Environmental Engineering will add considerably to students' major program skills and make them more valuable to employers. Mathematics and Science majors will gain an understanding of engineering problem-solving processes and standard pollution control technologies. Engineering majors will understand the environmental effects of technologies in their major field and how to manage those effects. After the student completes the requirements for the minor, the minor will be recorded on the student's official university transcript upon graduation.

Declaration of Environmental Engineering Minor

Students who are interested in pursuing an Environmental Engineering minor should speak to their advisor in the school or college in which they are pursuing their degree. Students should formally declare the Environmental Engineering minor upon completing no more than 6 credits toward the minor. There is no penalty if the minor is not completed. For more information and to declare the minor, please contact the Department of Civil and Environmental Engineering.

Requirements

Students pursuing the Minor in Environmental Engineering must meet the following requirements:

- A minimum of C- in each course
- An overall GPA of 2.0 for courses in the Environmental Engineering minor

Code	Title	Credit Hours
Required Courses		
CEE 2711	Environmental Chemistry & Microbiology (Prerequisites: CHEM 1031 or CHEM 1035, and CHEM 1033)	3
CEE 3711	Environmental Engineering (Prerequisites: CHEM 1031 or CHEM 1035, and MATH 1042 or MATH 1942)	3
Select a minimum of three electives from the following: ¹		9
CEE 4631	Environmental Hydrology	
CEE 4711	Air Pollution Control System	
CEE 4721	Water and Wastewater Systems Design	
CEE 4731	Solid & Hazardous Waste Management	
Total Credit Hours		15

¹ May be taken after completion of the two required courses.

Students are required to complete prerequisite courses (shown in parentheses above) as indicated for the two required courses. These prerequisite courses do not count toward the minimum of 15 semester hours.