ENVIRONMENTAL ENGINEERING (MINOR)

Program Description

Environmental engineers play an important role in designing and implementing projects that protect public health and ecosystems, and therefore play an important societal role in our highly impacted and changing world. The goal of the Civil and Urban Engineering undergraduate minor in Environmental Engineering is to expose undergraduate students to the fundamental principles of environmental engineering theory and practice, which can be applied to solving practical problems that involve evaluation and treatment of contaminated water, soils, and air. Students will develop knowledge and skills in mass and energy balances, reactor models, unit treatment processes, environmental chemistry and microbiology, water resource engineering, hydrology, and environmental contaminants. These skills, along with an emphasis on building analytical reasoning and critical thinking capabilities, can be applied to problem-solving in environmental engineering or additional engineering domains.

The minor is open to all undergraduate students. BS CE students are expected to be able to complete the minor within the required 129 credits.

Applying for the Minor

Apply for a minor in Albert using the link in the My Academics section of the Student Center.

Students should apply for the minor before applying for graduation. After applying for the minor, the application is then forwarded to the Home School Advising Office, Host School Advising Office, Host School Department/Program, and the Academic Dean's office.

The departmental advisers governing the minor will have access to approve or disapprove the minor online using the Graduation Tracking Search page. If a student is registered for a course for the minor during their last semester, the adviser can still set the status to departmental approved pending current courses.

Program Requirements

The minor requires the completion of 15 credits as shown below.

Course	Title	Credits
Core Courses		
CE-UY 3223	Fundamentals of Environmental Engineering [1]	3
CE-UY 3233	Environmental Engineering Process Design	3
CE-UY 3243	Water Resources Engineering [1]	3
Electives		
Select two of the following undergraduate electives: [2]		6
CE-UY 2253	Environmental Chemistry and Microbiology	
CE-UY 3263	Air Pollution Generation and Control	
CE-UY 3273	Environmental Data Analysis	
CE-UY 4213	Green Infrastructure Design	
Total Credits		**15**

[1] CE students currently take these courses as part of their major.

[2] Up to one course from outside the CUE department is allowed to count toward these electives, with approval of the Environmental Engineering Minor adviser.

Graduate Courses

Graduate environmental courses may be substituted for the above electives by students with a cumulative GPA> 3.0 with the approval of both the undergraduate academic adviser and the Environmental Engineering Minor program adviser.

Policies

Program Policies

Minor GPA Policy

In order for the Minor to be awarded and recorded on the official student transcript, the student has to obtain an overall 2.00 GPA in the Minor courses.

NYU Policies

University-wide policies can be found on the New York University Policy pages (https://bulletins.nyu.edu/nyu/policies/).

Tandon Policies

Additional academic policies can be found on the Tandon academic policy page (https://bulletins.nyu.edu/undergraduate/engineering/academic-policies/).