STRUCTURAL ENGINEERING (MINOR)

Program Description

Structural engineering is one of the oldest recognized specializations within the civil engineering profession. Buildings, bridges, dams and tunnels are only a few examples of structures upon which our infrastructure is dependent. Structural engineers must have a strong understanding and be capable of both analyzing and designing structural elements and systems. This minor will prepare civil engineering students who intend to pursue a career in structural engineering, as well provide other students a foundation of understanding of structures or a platform from which to pursue further study.

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. See minor prerequisites below.

Course	Title	Credits
Core Courses		
CE-UY 3163	Materials for the Built Environment	3
CE-UY 4813	Structural Engineering Capstone [1]	3
Electives		
Select three of the following:		9
CE-UY 3123	Dynamics of Extreme Events	
CE-UY 3133	Structural Analysis	
CE-UY 3143	Steel Design [2]	
CE-UY 4183	Reinforced Concrete Design [2]	
CE-UY 4193	Timber and Masonry Structures	
Total Credits		**15**

1. Structural Design Capstone can be used by CE Students to satisfy Capstone II Requirements (this course requires either CE-UY 4183 Reinforced Concrete Design or CE-UY 3143 Steel Design as a prerequisite).
2. At least one of these design courses is required.

Graduate Courses

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

Policies

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/).