

# CIVIL INFRASTRUCTURE MINOR

College of Engineering

Program Website (<http://www.cee.cornell.edu/>)

**This minor is not admitting new students, as of 2025-2026, and will be discontinued.**

## Program Description

Offered by the School of Civil and Environmental Engineering

Students affiliated with all majors except civil engineering may participate in this minor.

The minor in civil infrastructure is intended to introduce undergraduates to the engineering methodologies of mechanics, materials, analysis, design, and construction and to show how these are used in solving problems in the development, maintenance, and operation of the built environment that is vital for any modern society.

## Academic Standards

At least C in each course in the minor

## Minor Requirements

At least six courses ( $\geq 18$  credits), chosen as follows:

Note: courses shown in brackets [ ] not offered in current year.

Code	Title	Hours
<b>Required Courses</b>		
ENGRD 2020	Statics and Mechanics of Solids (crosslisted)	4
<b>Additional Courses</b>		
Select any five (groupings are for information only): <sup>1</sup>		14-20
<i>Geotechnical Engineering</i>		
CEE 3410	Introduction to Geotechnical Engineering	
<i>Structural Engineering</i>		
CEE 3710	Structural Modeling and Behavior	
CEE 4725	Intermediate Solid Mechanics	
CEE 4740	Introduction to the Behavior of Metal Structures	
CEE 4745	Sustainability and Automation: The Future of Construction Industry	
CEE 4760	Behavior and Design of Concrete and Masonry Structures	
CEE 4780	Structural Dynamics and Earthquake Engineering	
<i>Other Related Courses</i>		
CEE 5950	Construction Planning and Operations (crosslisted)	
MAE 4700	Finite Element Analysis for Mechanical and Aerospace Design	

<sup>1</sup> Other CEE courses may be approved by petition in advance. Contact the CEE Undergraduate Coordinator at [nw346@cornell.edu](mailto:nw346@cornell.edu) for more information on the petition process

## Graduation Requirements for Engineering Minor Degree Programs

Students may pursue minors in any department in any college that offers them, subject to limitations placed by the department offering the minor or by the students' major. Completed minors will appear on the student's transcript. Not all departments offer minors. Additional information on specific minors can be found above, in the *Engineering Undergraduate Handbook*, in the undergraduate major office of the department or school offering the minor, and in Engineering Advising.

An engineering minor recognizes formal study of a particular subject area in engineering normally outside the major. Students undertaking a minor are expected to complete the requirements during the time of their continuous undergraduate enrollment at Cornell. Completing the requirements for an engineering minor (along with a major) may require more than the traditional eight semesters at Cornell. However, courses that fulfill minor requirements may also satisfy other degree requirements (e.g., distribution courses, advisor-approved, or major-approved electives), and completion within eight semesters is possible.

An engineering minor requires:

- successful completion of all requirements for an undergraduate degree.
- enrollment in a major that approves participation in the minor.
- satisfactory completion of six courses (at least 18 credits) in a college-approved minor.

Students may apply for certification of a minor at any time after the required course work has been completed in accordance with published standards. An official notation of certification of a minor appears on the Cornell transcript following graduation.