



Twin Cities Campus

Civil Engineering Minor

CSENG Civil, Envrn & Geo-Eng (CEGE)

College of Science and Engineering

Link to a [list of faculty](#) for this program.

Contact Information:

Department of Civil, Environmental, and Geo-Engineering, University of Minnesota, 122 Civil Engineering Building, 500 Pillsbury Drive S.E., Minneapolis, MN 55455 (612-625-5522; fax: 612-626-7750)

Email: cegesps@umn.edu

Website: <http://www.cege.umn.edu>

- Program Type: Graduate minor related to major
- Requirements for this program are current for Spring 2018
- Length of program in credits (Masters): 6
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the [General Information](#) section of the catalog website for requirements that apply to all major fields.

Civil engineering emphases are available in environmental engineering (e.g., pollutant fate and transport, process modeling, soil and groundwater remediation, water and wastewater treatment), geomechanics (e.g., fracture and localization, groundwater flow, stability and liquefaction, wave and shock propagation), structural engineering (e.g., computational and structural mechanics, earthquake engineering, infrastructure performance and durability, new systems and materials), transportation engineering (e.g., intelligent transportation systems, pavement design and materials, transportation economics, traffic safety), and water resources engineering (e.g., earthscape processes, environmental and biological systems, hydrologic and climate dynamics, hydrodynamics, and turbulence).

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission

The preferred undergraduate GPA for admittance to the program is 3.00.

For an online application or for more information about graduate education admissions, see the [General Information](#) section of the catalog website.

Program Requirements

Use of 4xxx courses towards program requirements is not permitted.

Minor courses should be chosen from one of the following subareas.

Transportation Engineering

CEGE 52xx
CEGE 82XX

Geomechanics

CEGE 53xx
CEGE 83xx

Structural Engineering

CEGE 54xx
CEGE 84xx

Environmental/Water Resources Engineering

CEGE 55xx
CEGE 85xx



Program Sub-plans

Students are required to complete one of the following sub-plans.

Students may not complete the program with more than one sub-plan.

Master's

For a master's minor, two or more 5xxx or 8xxx level courses from the same subarea of civil engineering are required, for a total of 6 or more credits.

Doctoral

For the doctoral minor, four or more 5xxx or 8xxx level courses from one or two subareas of civil engineering are required for a total of 12 or more credits.