

Civil Engineering (MSE)

Civil engineering majors may specialize in building energy and environments; construction engineering and project management; infrastructure materials engineering; environmental and water resources engineering; geotechnical engineering; mechanics, uncertainty, and simulation in engineering; ocean engineering; structural engineering; sustainable systems; or transportation engineering. In addition, the Fariborz Maseeh Department of Civil, Architectural, and Environmental Engineering offers the Master of Science in Engineering with a major in environmental and water resources engineering.

Graduate Handbook

Graduate handbook information is updated and maintained by each program. Graduate handbooks are available within each program's office and [online](#). Please contact the program with concerns or questions.

Admission

A Bachelor of Science degree from a program in engineering accredited by ABET is the general prerequisite for admission to a graduate program in civil engineering. An applicant whose training does not meet this prerequisite may be accepted but will be required to pass a sequence of courses stipulated by the Graduate Studies Committee that will make up the deficiencies in undergraduate preparation. A list of the required courses is available from the graduate advisor.

Total Hours Required: 30

Requirements

Thesis Requirements

Code	Title	Hours
C E 698	Thesis	6
Hours chosen from: in major area of study		18
Hours chosen from: outside the area of concentration		6
All students must also follow the requirements and policies below:		
Graduate Engineering Requirements		
Graduate University Requirements		
Total Hours		30

Additional Requirements

Included in the major and minor must be at least 18 semester hours in engineering.

The courses must be logically related and the individual program must be approved by the graduate advisor.

Full-time students, and both teaching and research assistants, are required to register for nine semester hours of coursework during each fall/spring semester. These nine hours may include special problems, seminar, thesis, and dissertation courses.

Report Requirements

Code	Title	Hours
Hours chosen from: in major area of study		21
Hours chosen from: outside the area of concentration		6
C E 398R	Master's Report	3
or C E 398D	Departmental Report	
All students must also follow the requirements and policies below:		
Graduate Engineering Requirements		

Graduate University Requirements

Total Hours

30

Additional Requirements

An approved program of coursework only may be used instead of C E 398R or C E 398D according to procedures set by the Graduate Studies Committee.

The objectives of the graduate program in civil engineering are excellence in engineering education, research, and professional service. The program seeks to educate students to assume leadership positions in engineering practice, research, and education. The program also seeks to advance the state of the art and of the practice of civil engineering at both fundamental and applied levels through extensive research programs, and to disseminate the research outcomes through professional and scholarly activities. The program's thematic areas include architectural engineering, construction engineering and project management, construction materials, environmental and water resources engineering, geotechnical engineering, ocean engineering, structural engineering, and transportation engineering, as well as interdisciplinary areas of study.