Civil and Materials Engineering Department

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Administration:
Interim Head of the Department: Karl J. Rockne
Director of Graduate Studies: Abolfazl Mohammadian

Program Codes:
20FS0106MS (MS)
20FS0106PHD (PhD)

The Department of Civil and Materials Engineering (CME) offers programs leading to the Master of Science and Doctor of Philosophy degrees in Civil Engineering. Study and research leading to a degree in Civil Engineering is available in the areas of geotechnical and geoenvironmental engineering, environmental engineering, water resources engineering, structural engineering, structural mechanics, structural health monitoring, sensors and nondestructive testing, earthquake engineering, concrete materials, reinforced and prestressed concrete, steel structures, and transportation engineering.

The department also offers programs leading to degrees in Materials Engineering at both the master’s and doctoral levels. Updated information about the faculty, staff, curriculum and courses is found on the CME home page at the following address http://www.uic.edu/depts/cme/cme.html.
MS in Civil and Materials Engineering

Admission Requirements

Applicants are considered on an individual basis. Complete transcripts for all undergraduate and any graduate work must be submitted. In addition to the Graduate College minimum requirements, applicants must meet the following program requirements:

- **Baccalaureate Field**
  - Civil: Civil engineering or a related field
  - Materials: Engineering or a related field.

- **Grade Point Average** At least 3.00/4.00 for the final 60 semester hours (90 quarter hours) of undergraduate study.

- **Minimum English Competency Test Score (International applicants and foreign degrees as determined by admissions)**
  - TOEFL 550 (paper-based); 80, with subscores of Reading 19, Listening 17, Speaking 20, and Writing 21 (iBT Internet-based), OR,
  - IELTS 6.5, with subscores of 6.0 for all four subscores

- **Letters of Recommendation** Not required for MS applicants.
- **Personal Statement** Not required for MS applicants.
- **GRE** Not required for MS applicants.

Degree Requirements

In addition to the Graduate College minimum requirements, students must meet the following program requirements:

- **Minimum Semester Hours Required** 36.
- **Course Work** At least 24 semester hours must be in courses chosen from major courses listed on the department web page. At least 12 hours must be at the 500-level, and at least 8 hours must be in 500-level courses in the CME department, excluding CME 596 and CME 598.
- **Comprehensive Examination** None.
- **Thesis, Project, or Course-Work-Only Options:**

Civil Engineering: Thesis or course work only. No other options are available.

Materials Engineering: Thesis required. No other options are available.

  - **Thesis:** No more than 12 hours of CME 598 can be applied to the degree.
PhD in Civil and Materials Engineering

Admission Requirements

Applicants are considered on an individual basis. Complete transcripts for all undergraduate and any graduate work must be submitted. In addition to the Graduate College minimum requirements, applicants must meet the following program requirements:

- **Baccalaureate Field, Civil**: Civil engineering or a related field  
  **Materials**: Engineering or a related field.
- **Grade Point Average** At least 3.00/4.00 for the final 60 semester hours (90 quarter hours) of undergraduate study.
- **Tests Required** GRE General, minimum Verbal score of 150 and minimum Quantitative score of 155 (tests taken August 2014 or after) or minimum combined Verbal and Quantitative score of 301 (tests taken prior to August 2014).
- **Minimum English Competency Test Score**
  - **TOEFL** 550 (paper-based); 80, with subscores of Reading 19, Listening 17, Speaking 20, and Writing 21 (iBT Internet-based), OR,
  - **IELTS** 6.5, with subscores of 6.0 for all four subscores
- **Letters of Recommendation** Three required for PhD applicants.
- **Personal Statement** Required for PhD applicants.

Degree Requirements

In addition to the Graduate College minimum requirements, students must meet the following program requirements:

- **Minimum Semester Hours Required** 108 from the baccalaureate.
- **Course Work** Required Courses: Minimum requirement of 56 hours of postbaccalaureate course work, excluding CME 599.
  - **Specific Course Requirements**: At least 28 hours must be at the 500-level, of which 16 hours must be in the CME department, excluding CME 596 and CME 599.
  - **Credit for MS Degree**: Those having an MS degree from an accredited institution may be awarded 32 hours of credit towards the PhD degree requirement with 12 hours towards the 28-hour 500-level requirement.
• **Examinations**
  - *Departmental Qualifying Exam*: Required.
  - *Preliminary Examination*: Required.
• **Dissertation** Required. Students must earn at least 52 hours in CME 599.
• **Other Requirements** Students must be registered during the semester of intended graduation.