The Mines civil and environmental engineering graduate program is designed for students who wish to continue the path toward a professional engineering registration. Students entering this degree program should have a bachelor’s degree in engineering or will generally need to take engineering prerequisite courses. Within the degree program, students complete specified requirements in one of three different emphasis areas: environmental and water engineering, geotechnical engineering and structural engineering.

**DEGREE OPTIONS**

- **Doctor of Philosophy**: 72 credit hours, comprised of at least 24 credit hours of coursework, seminar and at least 24 credit hours of research. Students must also complete written and oral qualifying exams, prepare and present a dissertation proposal and defend a doctoral dissertation.

- **Master of Science (thesis based)**: 30 credit hours, comprised of at least 24 credit hours of coursework, seminar and 6 credit hours of research credit. Students must also defend a research thesis.

- **Master of Science (non-thesis)**: 30 credit hours, comprised of 27 credit hours of coursework and either 3 credit hours of research-based independent study or a designated design course (3 credit hours) and seminar.
GENERAL EMPHASIS AREAS

Students must complete the requirements for at least one emphasis area. Each emphasis area requires additional engineering course electives: 12 credits for the thesis-based MS, 15 credits for the non-thesis MS and 18 credits for the PhD. A variety of engineering courses may be taken for electives in the CEE emphasis areas, including courses from other departments on campus. The student’s advisor and committee must approve elective courses.

- Environmental and water engineering
- Geotechnical engineering
- Structural engineering

APPLICATION INFORMATION

- A bachelor’s degree, preferably in a science or engineering discipline.
- Graduate Record Examination (GRE) is required. Applicants who have graduated from Mines within the past five years are not required to submit GRE scores.
- For international applicants or applicants whose native language is not English, a TOEFL score of 79 or higher (or 550 for the paper-based test, 213 for the computer-based test). In lieu of a TOEFL score, an IELTS score of 6.5 or higher will be accepted.

ACCEPTING APPLICATIONS

TO LEARN MORE, VISIT:
gradprograms.mines.edu/cee/or contact cee@mines.edu