The Mines environmental engineering science graduate program trains students on the application of environmental processes in natural and engineered systems. This program does not require engineering credentials and has a flexible curriculum that enables students with a bachelor’s degree in biology, chemistry, math, physics, geology, engineering and other technical fields to tailor a course-work program that best fits their career goals.

**DEGREE OPTIONS**

- **Doctor of Philosophy**: 72 credit hours, comprised of at least 24 credit hours of coursework, a 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, a 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 and seminar.
REQUIRED CURRICULUM

The environmental engineering science curriculum consists of common core and elective courses that may be focused toward specialized areas of emphasis.

- Principles of Environmental Chemistry
- Environmental Law
- Chemical Fate and Transport in the Environment
- Environmental Science and Engineering Seminar
- Microbial Processes, Analysis and Modeling or Molecular Microbial Ecology and the Environment or Environmental Geomicrobiology
- Independent study or design course

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/ees or contact cee@mines.edu