The Mines humanitarian engineering and science graduate program brings together engineering and social science professors to transform engineering by changing the ways engineers are taught to think, define and solve problems. We train engineers to serve communities co-creating socially responsible, just and sustainable solutions. Students of the program will be prepared to engage in research, education and outreach that inspires and empowers engineers and applied scientists to become innovative and impactful leaders in sociotechnical problem definition, solution and design who can address the challenges of attaining a sustainable global society.

DEGREE OPTIONS

- Master of Science (thesis based): 30 credit hours, comprised of 24 credit hours of coursework and 6 credit hours of research.
- Master of Science (non-thesis): 30 credit hours of coursework.
- Certificate: 12 credit hours, comprised of coursework.
CORE COURSES

- Advanced Engineering and Sustainable Community Development
- Engineers Engaging Communities
- Risks in Humanitarian Engineering and Science
- Humanitarian Engineering and Science Capstone Practicum
- Special Topics in Engineering, Design & Society

APPLICATION INFORMATION

- The Graduate Record Examination (GRE) is required.
- 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) is required. In lieu of a TOEFL score, an IELTS score of 6.5 or higher will be accepted.
- Statement of purpose and updated curriculum vitae or resume.
- Applicants must submit a minimum of three letters of recommendation and transcripts for all post-secondary degrees.

DOMESTIC APPLICATION DEADLINE:

WITH ADDITIONAL QUESTIONS, CONTACT:

Office of Graduate Admissions
303-273-3247 | grad-app@mines.edu

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