The interdisciplinary program in geographic information systems (GIS) & GeoInformatics focuses on the applications of GIS technology, hands-on geospatial training, multi-criteria decision-making, advanced application and quantitative analysis aspects of GIS and remote sensing, and is directly aligned with Colorado School of Mines’ focuses and strengths on earth, energy and environment.

Our programs will enhance students’ quantitative geospatial data analysis skills, help the students get ahead of the technology curve and enable professionals to advance their careers.

PROGRAM STRUCTURE

Graduate Certificate: 12 credit hours with possible tracks in geospatial information technology, GIS for geohazards evaluation, GIS for environmental studies or GIS for natural resources assessment.

Master of Science (non-thesis): 30 credit hours that follow a 3x3+1 design with three modules and a mini module.
PROGRAM OBJECTIVE

The GIS & Geoinformatics program focuses on the applications of GIS technology, hands-on geospatial training, multi-criteria decision making, advanced application and quantitative analysis aspects of GIS and Remote Sensing (RS). The program is directly aligned with Colorado School of Mines’ focuses and strengths on Earth, energy and environment with particular reference to geohazards evaluations, environmental studies, and natural resources assessment. Our programs will enhance students’ quantitative geospatial data analysis skills, help the students get ahead of the technology curve, and enable professionals to advance their careers.

PROGRAM ADMISSION REQUIREMENTS

- Bachelor’s degree in engineering, computer science, physical sciences, statistics, mathematics, economics or equivalent, with a grade-point average of 3.0 or higher on a 4.0 scale.
- Graduate Record Examination (GRE) with quantitative reasoning section score of 151 or higher or a GMAT score above 640 preferred. Applicants who have graduated from Mines within the past five years are not required to submit GRE scores.
- A personal statement explaining how the applicant’s professional goals, training and expertise are a good fit for this program.
- 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.

ACCEPTING APPLICATIONS

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