

# INFORMATION SCIENCES AND TECHNOLOGY FOR EARTH AND MINERAL SCIENCES, MINOR

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Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

## Program Description

Information systems are a core component of any research, educational, or industrial enterprise in the Earth and materials sciences. In addition, the science and engineering disciplines represented in the college have a particular focus on numerical modeling and simulation systems, and on the analysis and management of very large data sets. The EMS - IST minor provides students a basic introduction to information sciences and information technology through courses in the core curriculum of the College of Information Sciences and Technology. Students then select from a group of interdisciplinary EMS courses that focus on the particular interests of the college.

## What is Information Sciences and Technology for Earth and Mineral Sciences?

The information age has transformed every aspect of our economy and society, creating the need for professionals that have the skills to apply information science to an ever-changing technological environment on both local and global scales. The Information Sciences and Technology for Earth and Mineral Sciences (EMS) minor, open only to EMS students, allows you to better understand information systems—which are a core component of any research, educational, or industrial enterprise in the Earth and mineral sciences—as they apply to EMS disciplines. Students take three introductory Information Sciences and Technology (IST) courses complemented by three computing-intensive courses from EMS departments. Prerequisites for the EMS courses are not included in the 18 credits required for the minor.

## You Might Like This Program If...

You wish to understand the cognitive, social, institutional, and global environments of information sciences and technology and apply that knowledge to computational and technological processes in your EMS major.