**Emphasis - Geology**

- M.S. in Engineering Science
- Emphasis - Geology

### M.S. in Engineering Science

**Description**
The M.S. in engineering science is offered in a number of emphasis areas: aeroacoustics, chemical engineering, civil engineering, computational hydroscience, computer science, electrical engineering, electromagnetics, environmental engineering, geology, geological engineering, hydrology, mechanical engineering, material science and engineering, and telecommunications.

#### Minimum Total Credit Hours: 30

**Course Requirements**
A student must complete the requirements for an emphasis area. For most emphasis areas, the degree may be completed as a:
- Thesis option (30-hour program, to include 6 hours of thesis),
- Nonthesis option (30-hour program, to include a minimum of 3 hours of a design-oriented project course), or
- Coursework option (30-hour program, to include a final oral examination in front of a committee, but no written report)

### Emphasis - Geology

**Description**
A M.S. in engineering science with emphasis in geology prepares a student with advanced technical knowledge and communication skills for pursuing a career in industry, research and development, public service, or for doctoral work.

**Course Requirements**
The M.S. with emphasis in geology can be completed as either a thesis or nonthesis option. All course selections for both the thesis and nonthesis options must be approved by the student's advisory committee. The thesis option requires a minimum of 6 semester hours of thesis credit. The nonthesis option requires the successful completion of an applied project approved by the student's committee.

**Other Academic Requirements**
For either option, a candidate must pass a final oral examination.