

## 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)

#### Specializations

##### SCHOOL OF ENGINEERING

##### MECHANICAL ENGINEERING

- [Emphasis - Aeroacoustics](#)

##### CHEMICAL ENGINEERING

- [Emphasis - Chemical Engineering](#)

##### CIVIL ENGINEERING

- [Emphasis - Civil Engineering](#)

##### MECHANICAL ENGINEERING

- [Emphasis - Computational Hydroscience](#)

##### COMPUTER & INFORMATION SCIENCE

- [Emphasis - Computer Science](#)

##### ELECTRICAL ENGINEERING

- [Emphasis - EE \(Electromagnetics\)](#)
- [Emphasis - Electrical Engineering](#)

##### CIVIL ENGINEERING

- [Emphasis - Environmental Engineering](#)

##### GEOLOGY & GEOLOGICAL ENGINEERING

- [Emphasis - Geological Engineering](#)
- [Emphasis - Geology](#)
- [Emphasis - Hydrology](#)

##### MECHANICAL ENGINEERING

- [Emphasis - Materials Science and Engr.](#)
- [Emphasis - Mechanical Engineering](#)

##### ELECTRICAL ENGINEERING

- [Emphasis - Telecommunications](#)

