

## 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 engineering, 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 - Aeroacoustics](#)

##### Biomedical Engineering

- [Emphasis - Biomedical Engineering](#)

##### Chemical Engineering

- [Emphasis - Chemical Engineering](#)

##### Civil Engineering

- [Emphasis - Civil Engineering](#)

##### Electrical and Computer Engineering

- [Emphasis - Computer Engineering](#)

##### Computer & Information Science

- [Emphasis - Computer Science](#)

##### Electrical and Computer Engineering

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

##### Chemical Engineering

- [Emphasis - Environmental Engineering](#)

##### Geology & Geological Engineering

- [Emphasis - Environmental Engineering](#)

##### Civil Engineering

- [Emphasis - Environmental Engineering](#)

##### Geology & Geological Engineering

- [Emphasis - Geological Engineering](#)
- [Emphasis - Geology](#)
- [Emphasis - Hydrology & Comp Hydroscience](#)

##### Civil Engineering

- [Emphasis - Hydrology & Comp Hydroscience](#)

##### Mechanical Engineering

- [Emphasis - Hydrology & Comp Hydroscience](#)

##### Chemical Engineering

- [Emphasis - Materials Science and Engr](#)

##### Civil Engineering

- [Emphasis - Materials Science and Engr](#)



**Mechanical Engineering**

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

**Electrical and Computer Engineering**

- [Emphasis - Telecommunications](#)

