

# 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 Chemical Engineering

Emphasis - Aeroacoustics

#### **Mechanical Engineering**

• Emphasis - Aeroacoustics

#### **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

# **Geology & Geological Engineering**

• Emphasis - Environmental Engineering

## **Chemical Engineering**

• Emphasis - Environmental Engineering

#### **Civil Engineering**

• Emphasis - Environmental Engineering

#### **Geology & Geological Engineering**

- Emphasis Geological Engineering
- Emphasis Geology

#### **Civil Engineering**

• Emphasis - Hydrology & Comp Hydroscience

#### **Geology & Geological Engineering**

• Emphasis - Hydrology & Comp Hydroscience

# **Mechanical Engineering**

• Emphasis - Hydrology & Comp Hydroscience

# **Civil Engineering**

• Emphasis - Materials Science and Engr

### **Chemical Engineering**

• Emphasis - Materials Science and Engr





### **Mechanical Engineering**

- Emphasis Materials Science and Engr.
- Emphasis Mechanical Engineering

# **Electrical and Computer Engineering**

• Emphasis - Telecommunications

