

# Ph.D. in Engineering Science

The Ph.D. 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, and material science and engineering.

# Minimum Total Credit Hours: 54 Course Requirements

A student must complete the requirements for one of the emphasis areas. All doctoral programs require completion of a comprehensive examination, dissertation prospectus, and a dissertation. See the department chair or adviser for specific requirements for an emphasis area.

#### 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



