The Ph.D. 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, 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**
- **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
- **Chemical Engineering**
  - Emphasis - Materials Science and Engr
- **Civil Engineering**
  - Emphasis - Materials Science and Engr
- **Mechanical Engineering**
  - Emphasis - Materials Science and Engr
  - Emphasis - Mechanical Engineering