

Ph.D. in Engineering Science Description

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](#)

