**Emphasis - Geology**  
- Ph.D. in Engineering Science  
- Emphasis - Geology

**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: 66**  
**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.

**Emphasis - Geology**  
**Description**  
A Ph.D. in engineering science with emphasis in geology prepares a student with advanced technical knowledge and communication skills for pursuing a career in industry, research and development, or public/government service. Students entering the program come from a variety of engineering and nonengineering disciplines such as geological engineering and physics.  
**Course Requirements**  
The Ph.D. with an emphasis in geology requires 54 semester hours of graduate credit beyond the bachelor’s degree; selection of courses must be approved by the student’s advisory committee.  
**Other Academic Requirements**  
Successful completion of both written and oral comprehensive exams is required before undertaking the dissertation.