

## Geological Engineering Proposed PhD Major Coursework Curriculum

Geological Engineering appeals to students with a wide variety of backgrounds and with different areas of intended emphasis; there are no specific courses that are uniformly required for graduate degrees in Geological Engineering. The student and their Mentor Committee collaboratively develop a curriculum in the student's area of interest. *The Mentor Committee must approve the curriculum during the first year of study, and preferably during the first semester.*

### **Department Specific Requirements**

The following must be satisfied to obtain a degree in Geological Engineering:

- Students must achieve a 3.0 grade-point average (GPA) or higher in all course-work.
- **PhD Students:** At least **51 graduate credits of graduate work** beyond the BS degree must be completed (for students who have earned a MS degree at UW-Madison, credits accumulated for the MS may be applied towards this requirement). These credits consist of formal course work (following guidelines established by the student's Mentor Committee), independent study, minor subject study, and research/dissertation credits. Typically, 18-24 credits are allocated for research/dissertation work. 32 credits, including minor course-work must be satisfied as well as satisfactory completion of the qualifying exam in order to sit for the preliminary exam and receive [dissertator status](#). PhD students must successfully complete the qualification exam, preliminary exam, dissertation defense and submit an approved dissertation to the graduate school.

At the time of PhD preliminary exam, student must meet the following requirements:

1. Graduate minimum residence credit requirement, **32 credits** (Seminar, minor-coursework, independent study and research course-work may be counted towards the 32-credit total).
2. Completed minor coursework. (option A, B or C)
3. Passed the qualifying exam.
4. 50% Graduate Coursework Requirement: At least 50% of credits applied toward the graduate degree credit requirement must be completed in graduate-level coursework: (minimum 27 out of 51 credits); courses with the Graduate Level Coursework attribute are identified and searchable in the university's [GUIDE](#). Courses numbered 700 and above are automatically counted toward graduate level minimum requirements (including 790, 890, 990, 999).
5. Turn in committee approved, curriculum forms for major and minor coursework.

Minimum Degree Requirements: [GEOLOGICAL ENGINEERING, PH.D.](#)

Minimum Requirements: [Satisfactory Progress](#)

E-mail this approved form to your Graduate Student Services Coordinator.

_____ Student Name	_____ Campus ID#	_____ Student E-mail
_____ Cumulative GPA	_____ Research Area	_____ Date of qualifying exam pass
_____ Faculty advisor name	_____ Graduation Term	

PhD Breadth Requirement: List the term of the last course completed towards this requirement \_\_\_\_\_  
(please choose one)

Option A: External PhD Minor: Dept. Name \_\_\_\_\_

Option B: Distributed PhD Minor

Option C: Graduate/Professional Certificate Name \_\_\_\_\_

**Date of Preliminary exam** \_\_\_\_\_

1. Complete the PhD major course list on the following page.
2. Please write a brief description of your research topic on the final page.

### Curriculum Approval

PhD students should work with their advisor and Mentor Committee to develop a curriculum. The following form should then be completed and signed by the advisor and two faculty members from the Mentor Committee.

### Tentative Course Plan      OR Final approved course plan

Curriculum Approved by:

_____ Faculty Advisor Name (Print/Type)	_____ Signature	_____ Date
_____ GLE Faculty Member (Print/Type)	_____ Signature	_____ Date
_____ GLE Faculty Member (Print/Type)	_____ Signature	_____ Date

Student Name \_\_\_\_\_

Campus ID# \_\_\_\_\_

<b>32 credits</b> in residence, including research, seminar and minor coursework to qualify for preliminary exam; 51 credits minimum at the time of final defense							
<b>Formal Major Coursework</b> (do not include pass/fail; audit nor English as a Second language courses)							
Term	Dept. & Course #	Course Title	Grade	Credits	50% grad. requirement: (27 out of 51 cr.)	PhD minor/certificate credits	Prior graduate coursework counting towards 51 cr. if applicable
Total Formal graded Credits							
<b>Research and Seminar Coursework</b> (receiving satisfactory/passing grade; may include in-progress credits)							
GLE 890: Total number of 890 pre-dissertator research							
GLE 790 Total number of 790 MS thesis cr. (from MS if applicable towards PhD)							
Seminar: Total number of Seminar Credits					Combined 50% Grad Requirement:		
Total research/ seminar Credits							



**Brief description of your research topic**