



Proposed PhD Minor/Graduate Certificate Requirements
Civil & Environmental Engineering; Geological Engineering

The purpose of a PhD minor/graduate certificate is to give breadth and depth to the PhD program beyond the major area and thesis subject by studying a coherent body of work that:

- (1) is separate and distinct from the major;
- (2) develops specialized skills; and
- (3) is taken as a graduate student.

Students may choose from:

Option A (external doctoral minor): Requires a minimum of 9 credits in a doctoral minor program (single disciplinary or multi-disciplinary) outside of the student's doctoral major program. Fulfillment of this option requires the approval of the doctoral minor program.

Option B (distributed doctoral minor): Requires a minimum of 9 credits in one or more programs forming a coherent topic, and can include coursework in the student's doctoral major program. Fulfillment of this option requires the approval of the student's doctoral major program.

Option C (Graduate/Professional certificate): Requires successful completion of a Graduate/Professional certificate in a program outside of the student's doctoral major program.

Approval of the courses should occur during the student's first year of study, preferably during the first semester. If a student desires to modify their course plan, they should submit a new course approval form signed by their Course Selection Committee.

A complete proposal must include a list of the specific courses selected for the minor and a one or two paragraph statement that explains how the proposed courses provide a coherent body of work that develops specialized skills distinct from the major. The minor proposal must be approved before the time six of the total credits required for the minor are completed or within the first year of study.

****All courses must be graduate level courses (300 level or higher). Research Courses (790, 890, 990) cannot be included. A maximum of 3 credits of independent study (999) may be included. Students must achieve a 3.0 grade-point average (GPA) or higher in all coursework.**

PhD minor proposals must be approved by at least three department faculty members of the student's PhD thesis committee and then turned in to the Graduate Coordinator.

Options B and C must additionally be approved by the external minor department representative or certificate representative.



Name: _____ Email: _____

10-Digit Campus ID Number: _____ Date of Preliminary Exam: _____

Degree Department/specialization: _____

PhD Breadth Requirement: (please choose one)

- ☐ **Option A:** External PhD Minor: Dept. Name _____
- ☐ **Option B:** Distributed PhD Minor
- ☐ **Option C:** Graduate/Professional Certificate Name _____

Dept. & Course #	Course Title	#Cr.	Grade	Semester planned or taken

Major Faculty Advisor Name

Signature

Date

Committee member

Signature

Date

Committee member

Signature

Date

Minor/Certificate Representative
(if applicable)

Signature

Date

One to two paragraph statement that explains how the proposed courses provide a coherent body of work that develops specialized skills distinct from the major. (please provide additional information on a separate page if necessary):



College of Engineering
UNIVERSITY OF WISCONSIN-MADISON