

Geological Engineering: Master's Degree Independent Study Pathway Requirements & Graduate Curriculum Form

STUDENT NAME: _____ CAMPUS ID#: _____ DATE: _____
ADVISOR NAME: _____ STUDENT EMAIL: _____
EXPECTED COMPLETION TERM: _____ CUMULATIVE GPA: _____

Minimum Degree Requirements and Satisfactory Progress: [GEOLOGICAL ENGINEERING, M.S.](#)

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 student's faculty advisor along with two other GLE faculty members comprise the Mentor Committee. Faculty are individuals with appointments as Assistant Professor, Associate Professor or Professor. *The Mentor Committee must approve the curriculum during the first year of study, and preferably during the first semester.*

The **independent study pathway** requires a **minimum of 30 credits** of coursework, including **at least 21 credits** of graduate-level coursework (300-level and higher). All graduate students must register for GLE 900 seminar once per academic year. Some 300-level courses may require special faculty approval. At least **3 credits** of GLE 999 Advanced Independent Study are required. A written report must be prepared based on the student's advanced independent study project. It does not have to meet UW-Madison Graduate School requirements for a thesis, but has to show independent thinking by the student. A faculty committee will review and approve the final report. A final examination is not required but may be requested by the faculty committee.

50% Graduate Coursework Requirement: (15 out of 30 credits) At least 50% of credits applied toward the graduate degree credit requirement must be completed in graduate-level coursework; courses with the **Graduate Level Coursework** attribute "**Grad 50% - Counts toward 50% graduate coursework requirement**" are identified and searchable in the university's [GUIDE](#). Courses numbered 700 and above are automatically counted toward graduate level minimum requirements.

GPA and credit requirements: Students must achieve a 3.0 grade-point average (GPA) or higher in all course-work. All courses must be numbered 300 and above in order to count towards the 30-credit curriculum requirement. Exclusions which cannot contribute to the 30-credit curriculum: Pass/fail, audit grades, ESL course-work).

1. Please check one of the below options, if you have approved prior-coursework counting towards your curriculum:
 - a. Prior-Coursework from UW-Madison undergraduate degree
 - b. Prior graduate coursework from another institution
2. If the initial course plan is modified at a later date, then please submit a new course approval form signed by Faculty Advisor/Committee at the time of degree warrant request in the final term.
 - a. Tentative Course Plan
 - b. Final approved course plan
3. **Enter curriculum on the next page.** If this is a final approved course plan then please enter a brief description of your thesis topic at the end of this form.
4. Please turn this complete, committee approved form in to your Graduate Student Coordinator (electronically is preferred).



UW ID#

Geological Engineering: Master's Degree (M.S.) Independent Study Pathway

Example of how to complete this form: (Do not include pass/fail; audit nor courses used to fulfill ESLAT requirement)

Term/Year	Dept. Course & Title	Grade	Total Credits (min. 30)	Formal coursework (300+) (min. 16cr)	GLE 790, (min. 6cr.)	Seminar	50% attribute (min. 15)
Fall 2022	GLE 724 Groundwater Flow Modeling	A	3	3			3
Spring 2023	GLE 900 Seminar	A	1			1	1
Summer 2023	GLE 999 Adv. Ind. Study	S	3		3		3

[illegible]

Faculty Advisor Name (Print/Type)

Signature

Date _____

Faculty Member (Print/Type)

Signature

Date _____

Faculty Member (Print/Type)

Signature

Date _____

Enter a brief description of your independent study topic.