Geological Engineering
UNIVERSITY OF WISCONSIN–MADISON

Geological Engineering: Master's Degree Thesis 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.*

Thesis Pathway: Students who wish to do advanced work and research in a well-defined area of specialization are encouraged to pursue this program.
The thesis pathway requires a **minimum of 30 credits** of coursework, including **at least 16 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 **6 credits** of GLE 790 Master's Research/Thesis are required. A faculty committee will conduct a final examination on the thesis research. MS students completing a thesis must also submit an approved thesis to the GLE Graduate Student Coordinator to deposit into Minds at UW for electronic access and safe archiving.

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).

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Student Name _____ UW ID#_____

Geological Engineering: Master's Degree (M.S.) Thesis 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 790 MS thesis research*	*S*	*3*		*3*		*3*

Term/Year	***Dept. Course & Title***	***Grade***	***Total Credits (min. 30)***	***Formal coursework (300+) (min. 16cr)***	***GLE 790, (min. 6cr.)***	***Seminar***	***50% attribute (min. 15)***
	Credit Totals		0	0	0	0	0

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

_____ _____ _____
Faculty Member (Print/Type) Signature Date

_____ _____ _____
Faculty Member (Print/Type) Signature Date

Update: July 2023

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Enter a brief description of your thesis topic.

Update: July 2023