

# GEOLOGICAL ENGINEERING, MS

## REQUIREMENTS

### MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum degree requirements (<https://guide.wisc.edu/graduate/#requirements>) and policies (<https://guide.wisc.edu/graduate/#policies>), in addition to the program requirements listed below.

### MAJOR REQUIREMENTS

#### MODE OF INSTRUCTION

| Face to Face | Evening/<br>Weekend | Online | Hybrid | Accelerated |
|--------------|---------------------|--------|--------|-------------|
| Yes          | No                  | No     | No     | No          |

#### Mode of Instruction Definitions

**Accelerated:** Accelerated programs are offered at a fast pace that condenses the time to completion. Students typically take enough credits aimed at completing the program in a year or two.

**Evening/Weekend:** Courses meet on the UW-Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.

**Face-to-Face:** Courses typically meet during weekdays on the UW-Madison Campus.

**Hybrid:** These programs combine face-to-face and online learning formats. Contact the program for more specific information.

**Online:** These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

### CURRICULAR REQUIREMENTS

| Requirement Detail                   |            |
|--------------------------------------|------------|
| Minimum Credit Requirement           | 30 credits |
| Minimum Residence Credit Requirement | 16 credits |

Minimum Graduate Coursework Requirement

Thesis Pathway: 16 credits must be graduate-level coursework.

Independent Study Pathway: 21 credits must be graduate-level coursework.

Refer to the Graduate School: Minimum Graduate Coursework (50%) Requirement policy: <https://policy.wisc.edu/library/UW-1244> (<https://policy.wisc.edu/library/UW-1244/>).

|                                  |                                                                                                                                                                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Overall Graduate GPA Requirement | 3.00 GPA required.                                                                                                                                                                                                                                                             |
| Other Grade Requirements         | Refer to the Graduate School: Grade Point Average (GPA) Requirement policy: <a href="https://policy.wisc.edu/library/UW-1203">https://policy.wisc.edu/library/UW-1203</a> ( <a href="https://policy.wisc.edu/library/UW-1203/">https://policy.wisc.edu/library/UW-1203/</a> ). |
| Assessments and Examinations     | Thesis pathway: A faculty committee will conduct a final examination on the thesis research.                                                                                                                                                                                   |
|                                  | Independent Study pathway: A written report must be prepared based on the independent study project.                                                                                                                                                                           |
| Language Requirements            | None.                                                                                                                                                                                                                                                                          |

### REQUIRED COURSES

MS degree candidates may choose from two options for their program of study:

#### Thesis Pathway<sup>1</sup>

| Code                                                                                                                             | Title                       | Credits   |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------|
| <b>Graduate-Level Coursework</b>                                                                                                 |                             |           |
| In consultation with advisor, students must complete at least 16 credits of graduate-level coursework (numbered 300 and higher). |                             | 16        |
| <b>Seminar</b>                                                                                                                   |                             |           |
| All graduate students (including PhD dissertation students) must register for seminar once per academic year.                    |                             | 2         |
| G L E 900                                                                                                                        | Seminar                     |           |
| <b>Research or Thesis</b>                                                                                                        |                             |           |
| Complete 6 credits                                                                                                               |                             | 6         |
| G L E 790                                                                                                                        | Master's Research or Thesis |           |
| <b>Additional Coursework</b>                                                                                                     |                             |           |
| In consultation with advisor, complete coursework to reach the minimum of 30 credit requirement.                                 |                             | 6         |
| <b>Total Credits</b>                                                                                                             |                             | <b>30</b> |

#### Independent Study Pathway<sup>1</sup>

| Code                                                                                                                             | Title | Credits |
|----------------------------------------------------------------------------------------------------------------------------------|-------|---------|
| <b>Graduate-Level Coursework</b>                                                                                                 |       |         |
| In consultation with advisor, students must complete at least 21 credits of graduate-level coursework (numbered 300 and higher). |       | 21      |
| <b>Seminar</b>                                                                                                                   |       |         |

|                                                                                                               |                  |           |
|---------------------------------------------------------------------------------------------------------------|------------------|-----------|
| All graduate students (including PhD dissertation students) must register for seminar once per academic year. |                  | 2         |
| G L E 900                                                                                                     | Seminar          |           |
| <b>Independent Work</b>                                                                                       |                  |           |
| A written report must be prepared based on the independent study project.                                     |                  | 3         |
| G L E 999                                                                                                     | Independent Work |           |
| <b>Additional Coursework</b>                                                                                  |                  |           |
| In consultation with advisor, complete coursework to reach the minimum of 30 credit requirement.              |                  | 4         |
| <b>Total Credits</b>                                                                                          |                  | <b>30</b> |

<sup>1</sup> These pathways are internal to the program and represent different curricular paths a student can follow to earn this degree. Pathway names do not appear in the Graduate School admissions application, and they will not appear on the transcript.