

GEOLOGY (MINOR)

Minor: Geology
Program Code: M420

The Geology Minor is designed for students who wish to take additional basic geology courses in support of their degree aspirations in other areas. A total of 21 geology credit hours are required. Most classes have a strong field component so that students can enjoy the diverse geological setting of the Grand Junction area. Laboratory work takes place in a state-of-the-art science complex.

Requirements

Each section below contains details about the requirements for this program. Select a header to expand the information/requirements for that particular section of the program's requirements.

To print or save an overview of this program's information, including the program description, learning outcomes, requirements, suggested course sequencing (if applicable), and advising and graduation information, scroll to the bottom of the left-hand navigation menu and select "Print Options." This will give you the options to either "Send Page to Printer" or "Download PDF of This Page." The "Download PDF of This Page" option prepares a much more concise presentation of all program information. The PDF is also printable and may be preferable due to its brevity.

Institutional Minor Requirements

The following institutional requirements apply to all CMU minors. Specific programs may have different requirements that must be met in addition to institutional requirements.

- A minor consists of 15-24 semester hours. There may be prerequisites required for the minor which will increase the total number of credit hours for a student who has not already taken those prerequisites.
- Courses taken to satisfy Essential Learning, major requirements, or electives **can** be counted toward the minor if applicable.
- At least 33 percent of the credit hours required for the minor must be in courses numbered 300 or above.
- At least 25 percent of the classes must be taken at CMU.
- 2.00 cumulative GPA or higher for the courses used for the minor.
- A minor is not a degree by itself and must be earned at the same time as a baccalaureate degree.
- A minor must be outside the major field of study.
- A student may earn up to five minors with any baccalaureate degree at CMU.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements sheet you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

Program Specific Minor Requirements

(21 semester hours)

Code	Title	Semester Credit Hours
Select one of the following: ¹		4
GEOL 111 & 111L	Principles of Physical Geology-GTSC1 and Principles of Physical Geology Laboratory-GTSC1	
GEOL 113 & 113L	Field-Based Introduction to Physical Geology-GTSC1 and Field-Based Introduction to Physical Geology Laboratory-GTSC1	
GEOL 112 & 112L	Principles of Historical Geology-GTSC1 and Principles of Historical Geology Laboratory-GTSC1	4
GEOL 202	Introduction to Field Studies	3
Select one of the following: ²		3
GEOL 204	Computer Applications in Geology	
GEOL 250	Environmental Geology	
Select 7 semester hours (minimum) of the following:		7
GEOL 301 & 301L	Structural Geology and Structural Geology Laboratory	
GEOL 325	Introduction to Engineering Geology	
GIST 321 & 321L	Introduction to Remote Sensing and Introduction to Remote Sensing Laboratory	
GEOL 331 & 331L	Crystallography and Mineralogy and Crystallography and Mineralogy Laboratory	
GEOL 340 & 340L	Igneous and Metamorphic Petrology and Igneous and Metamorphic Petrology Laboratory	
GEOL 351	Applied Geochemistry	
GEOL 359	Survey of Energy-Related Natural Resources	
GEOL 361	Survey of Mineral-Related Natural Resources	
GEOL 402 & 402L	Applications of Geomorphology and Applications of Geomorphology Laboratory	
GEOL 404 & 404L	Geophysics and Geophysics Laboratory	
GEOL 411 & 411L	Paleontology and Paleontology Laboratory	
GEOL 444 & 444L	Sedimentology and Stratigraphy and Sedimentology and Stratigraphy Laboratory	
GEOL 463	Subsurface Methods	
GEOL 465	Climate Change Science	
GEOL 470	Drone Explorations on Earth	
Total Semester Credit Hours		21

¹ Either GEOL 111/GEOL 111L or GEOL 113/GEOL 113L may be taken for credit, but not both.

² Either GEOL 204 or GEOL 250 may be taken for credit, but not both.

Advising and Graduation Advising Process and DegreeWorks

Documentation on the pages related to this program is intended for informational purposes to help determine what courses and associated requirements are needed to earn a minor. Meeting with an academic advisor is essential in planning courses and developing a suggested

course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for their intended minor.

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a minor. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head for the minor. Discrepancies in requirements should be reported to the Registrar's Office.

Graduation Process

A minor cannot be awarded by itself. It must be combined with a baccalaureate degree outside the major field of study. Students should follow the graduation process outlined for the baccalaureate degree and list their majors and minors on the "Intent to Graduate" form.

If a student's petition for graduation is denied, it will be their responsibility to consult the Registrar's Office regarding next steps.