

# GEOLOGY (B.A.)

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[bulletins.wayne.edu/search/?P=GEL%204998](http://bulletins.wayne.edu/search/?P=GEL%204998)): Honors Thesis (3 credits), and one 4200-level Honors Seminar (3 credits).

Geology is the scientific study of planet Earth and involves the observation and interpretation of processes that form and change our world. Some of these processes, such as earthquakes, tsunamis, and volcanic eruptions, proceed rapidly, often with catastrophic consequences. Others, such as erosion or mountain building can progress so slowly that their results are scarcely noticeable over a human lifetime. Each of these processes, however, can exert a profound influence on human activities and can, in turn, be influenced intentionally or unintentionally by human activities.

## Admission Requirements

Admission requirements for this program are satisfied by the general requirements for undergraduate admission (<http://bulletins.wayne.edu/undergraduate/general-information/admission/>) to the University.

Candidates must complete 120 credits in course work including satisfaction of the University General Education Requirements (<http://bulletins.wayne.edu/undergraduate/general-information/general-education/>) and the College of Liberal Arts and Sciences Group Requirements (<http://bulletins.wayne.edu/undergraduate/college-liberal-arts-sciences/bachelors-degree-requirements/>), as well as the departmental major requirements cited below. All course work must be completed in accordance with the regulations of the University (<http://bulletins.wayne.edu/undergraduate/general-information/academic-regulations/>) and the College (<http://bulletins.wayne.edu/undergraduate/college-liberal-arts-sciences/academic-regulations/>) governing undergraduate scholarship and degrees.

## Major Requirements

Students must complete twenty-six credits in geology beyond ESG 1020. These must include:

Code	Title	Credits
ESG 2130	Mineralogy	4
ESG 3160	Petrology	4
ESG 3300	Structural Geology	4
ESG 3400	Principles of Sedimentology and Stratigraphy	4
GEL 5993	Writing Intensive Course in Geology	0
At least two credits in a geology field course		2

## Cognate Requirements

At least one college course in each of two of the following fields is required: biology, chemistry, or physics. MAT 1800 and satisfaction of the Foreign Language Group Requirement are also required.

Geology majors should consult their advisor regarding additional recommended cognate courses. Depending on interest and future goals, supplementary courses in mathematics, physics and chemistry, as well as courses in biology, computer science, engineering, and urban studies might be of particular value.

## Geology Honors

The Honors Program in Geology is open to students of superior academic ability who are majoring in geology. To be recommended for an honors degree from this department, a student must maintain a cumulative grade point average of at least 3.3. He/she must accumulate at least twelve credits in honors-designated courses including: two Geology Honors or Honors Option courses (min. 6 credits), GEL 4998 (<https://>