

GEOLOGY: EARTH & ENVIRONMENTAL SCIENCES, BSLAS

for the degree of Bachelor of Science in Liberal Arts & Sciences Major in Geology (Sciences & Letters), Earth & Environmental Sciences Concentration

The **Sciences and Letters Curriculum in Geology (BSLAS)**, administered by the Department of Geology, is designed for students who want a more flexible course of study than is provided by the Specialized Curriculum in Geology and Geophysics. It may be used by those wishing to obtain a more liberal education and/or background in geology for use in fields such as anthropology, business, mineral economics, regional planning, journalism, law, sales, or library and information science. It is not intended to prepare a student for graduate work in the geological sciences unless the student selects additional courses in mathematics, chemistry, and physics comparable to those required in the Specialized Geology and Geophysics Curriculum. Students must choose from the following: Geology, Earth and Environmental Sciences, or Earth Science Teaching. The Earth Science Teaching Concentration is designed for students preparing to teach earth science at the secondary school level.

Undergraduate Degree Programs in Geology

For the Degree of Bachelor of Science in Liberal Arts and Sciences

Students select one of the following in consultation with an adviser:

- Major in Geology (Sciences and Letters) (<http://catalog.illinois.edu/undergraduate/las/geology-bslas/>)
- Major in Geology (Sciences and Letters), Earth and Environmental Sciences Concentration (p. 1)
- Major in Geology (Sciences and Letters), Earth Science Teaching Concentration (<http://catalog.illinois.edu/undergraduate/las/geology-bslas/earth-science-teaching/>)

For the Degree of Bachelor of Science in Geology

Students select one of the following in consultation with an adviser:

- Major in Geology (Specialized Curriculum) (<http://catalog.illinois.edu/undergraduate/las/geology-bs/>)
- Major in Geology (Specialized Curriculum), Environmental Geology Concentration (<http://catalog.illinois.edu/undergraduate/las/geology-bs/environmental-geology/>)
- Major in Geology (Specialized Curriculum), Geophysics Concentration (<http://catalog.illinois.edu/undergraduate/las/geology-bs/geophysics/>)

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Departmental Distinction: Students majoring in Geology can earn distinction, high distinction, and highest distinction upon graduation. The requirements for these awards are:

Distinction: A minimum cumulative grade point average of 3.3, and have also completed an approved independent study project, approved senior thesis, or approved capstone

High Distinction: A minimum cumulative grade point average of 3.5, and have also completed an approved independent study project, approved senior thesis, or approved capstone

Highest Distinction: A minimum cumulative grade point average of 3.7, and also completed an approved senior thesis or approved research capstone

General education: Students must complete the Campus General Education (<https://courses.illinois.edu/gened/DEFAULT/DEFAULT/>) **requirements including the campus general education language requirement.**

Minimum required major and supporting course work: Normally equates to 43 hours including at least 26 hours in Geology. Twelve hours of 300- and 400-level in the major must be taken on this campus.

Minimum hours required for graduation: 120 hours.

Code	Title	Hours
Core requirements:		
GEOL 107	Physical Geology (Students who decide to follow the curriculum after first taking GEOL 100 should enroll in GEOL 208. GEOL 100 will be accepted as a substitute for GEOL 107, but students should be aware that these courses are not intended for science majors.)	4
GEOL 208	History of the Earth System	4
CHEM 102	General Chemistry I	3
CHEM 103	General Chemistry Lab I	1
Select one of the following MATH courses: (An introductory Statistics course, e.g., STAT 100, SOC 280, ECON 202, or a second semester of Calculus is recommended)		4-5
MATH 220	Calculus	
or MATH 221	Calculus I	
MATH 234	Calculus for Business I	
Courses beyond the core requirements		
ATMS 140	Climate and Global Change	3
or GEOL 118	Natural Disasters	
GEOL 333	Earth Materials and the Env	4
or GEOL 432	Mineralogy and Mineral Optics	
GEOL 380	Environmental Geology	4
Ten to twelve hours of additional advanced geology courses		10-12
Six to eight hours Environmental Studies electives. (see Geology advisor for list of approved courses)		6-8

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Sample Sequence

This sample sequence is intended to be used only as a guide for degree completion. All students should work individually with their academic advisors to decide the actual course selection and sequence that works best for them based on their academic preparation and goals. Enrichment programming such as study abroad, minors, internships, and so on may impact the structure of this four-year plan. Course availability is not guaranteed during the semester indicated in the sample sequence.

Students must fulfill their Language Other Than English requirement by successfully completing a fourth level of a language other than English.

See the corresponding section on the Degree and General Education Requirements page (<http://catalog.illinois.edu/general-information/degree-general-education-requirements/>).

First Year

First Semester	Hours	Second Semester	Hours
Free elective course		1 GEOL 208	4
GEOL 107		4 Free elective course	4
Language Other than English (3rd level)		4 Language Other than English (4th level)	4
Composition I or General Education course		3 General Education course or Composition I	3
CHEM 102		3	
CHEM 103		1	
		16	15

Second Year

First Semester	Hours	Second Semester	Hours
ATMS 140 (or GEOL 118)		3 GEOL 333 (or GEOL 432)	4
General Education course		3 General Education Course	3
General Education Course		3 General Education Course	3
Free elective course		3 MATH 220 (or MATH 221 or MATH 234)	4
Free elective course		3	
		15	14

Third Year

First Semester	Hours	Second Semester	Hours
GEOL 380		4 Geology 300-400 level course	3
300-400 level Environmental Studies elective course from list		3 300-400 level Environmental Studies elective course from list	3
Geology 300-400 level course		4 General Education Course	3
General Education Course		3 Free elective course	3
		Free elective course	3
		14	15

Fourth Year

First Semester	Hours	Second Semester	Hours
Geology 300-400 level course		4 General Education Course	3
General Education Course		3 Free elective course	3
Free elective course		3 Free elective course	3

Free elective course	3 Free elective course	3
Free elective course	3 Free elective course	3
		16
		15

Total Hours 120

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Geology

Geology website (<https://www.geology.illinois.edu/undergraduate/>)

Geology email (geology@illinois.edu)

Geology faculty (<https://www.geology.illinois.edu/cms/One.aspx?portalId=127672&pageId=225782>)

College of Liberal Arts & Sciences

LAS College website (<https://las.illinois.edu/>)

Advising

Geology advising (<https://www.geology.illinois.edu/cms/One.aspx?portalId=127672&pageId=258530>)

Admissions

Liberal Arts & Sciences Admissions & Requirements (<http://catalog.illinois.edu/schools/las/academic-units/>)

University of Illinois Undergrad Admissions (<https://www.admissions.illinois.edu/>)