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

department website: https://www.geology.illinois.edu/
undergraduate (https://www.geology.illinois.edu/undergraduate/)
department faculty: Geology Faculty (https://
www.geology.illinois.edu/people/)
advising: Geology advising (https://www.geology.illinois.edu/cms/
One.aspx?portalid=127672&pageld=258530)
overview of college admissions & requirements: Liberal Arts &
Sciences (http://catalog.illinois.edu/schools/las/academic-units/)
college website: https://las.illinois.edu/
email: geology@illinois.edu

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/)

Minimum required major and supporting course work: Normally
requirement.

Core requirements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 107</td>
<td>Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 208</td>
<td>History of the Earth System</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 102</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 103</td>
<td>General Chemistry Lab I</td>
<td>1</td>
</tr>
</tbody>
</table>

Select one of the following MATH courses: 2

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 220</td>
<td>Calculus</td>
<td>4-5</td>
</tr>
<tr>
<td>or MATH 221Calculus I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 234</td>
<td>Calculus for Business I</td>
<td></td>
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</tbody>
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Courses beyond the core requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATMS 140</td>
<td>Climate and Global Change</td>
<td>3</td>
</tr>
<tr>
<td>or GEOL 118</td>
<td>Natural Disasters</td>
<td></td>
</tr>
<tr>
<td>GEOL 333</td>
<td>Earth Materials and the Env</td>
<td>4</td>
</tr>
<tr>
<td>or GEOL 432</td>
<td>Mineralogy and Mineral Optics</td>
<td></td>
</tr>
<tr>
<td>GEOL 380</td>
<td>Environmental Geology</td>
<td>4</td>
</tr>
</tbody>
</table>

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

1 Students who decide to follow the curriculum after first taking GEOL 100
or GEOL 103 should enroll in GEOL 208. GEOL 100 or GEOL 103 will be
accepted as a substitute for GEOL 107, but students should be aware
that these courses are not intended for science majors.

2 An introductory Statistics course, e.g., STAT 100, SOC 280, ECON 202,
or a second semester of Calculus is recommended.

Information listed in this catalog is current as of 02/2022.