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

GEOLOGY: EARTH SCIENCE TEACHING, BSLAS

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

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 equates to 55-59 hours in the concentration and 39 hours for the Teacher Education Minor in Secondary School Teaching. Twelve hours of 300- and 400-level in the major must be taken on this campus.

Minimum hours required for graduation: 120 hours.

Foundation Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>GEOL 107</td>
<td>Physical Geology</td>
<td>4</td>
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<tr>
<td>GEOL 208</td>
<td>History of the Earth System</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 333</td>
<td>Earth Materials and the Env</td>
<td>4</td>
</tr>
<tr>
<td>MATH 220</td>
<td>Calculus</td>
<td>4-5</td>
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<tr>
<td></td>
<td>or MATH 22C Calculus I</td>
<td></td>
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<tr>
<td></td>
<td>or MATH 23C Calculus for Business I</td>
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</tbody>
</table>

Additional Required Coursework

Teacher Education Minor in Secondary School Teaching (http://catalog.illinois.edu/undergraduate/education/secondary)

Select one group of courses: 5-6

Information listed in this catalog is current as of 06/2020
ASTR 100  Introduction to Astronomy
& ASTR 131 and The Solar System Lab
& ASTR 132 and Stars and Galaxies Lab

or

ASTR 121  Solar System and Worlds Beyond
& ASTR 122 and Stars and Galaxies

ATMS 100  Introduction to Meteorology  3

IB 100  Biology in Today’s World  3

Select one group of courses:  4

CHEM 102  General Chemistry I
& CHEM 10: and General Chemistry Lab I

or

CHEM 202  Accelerated Chemistry I
& CHEM 20: and Accelerated Chemistry Lab I

GEOL 117  The Oceans  3

GEOL 143  History of Life  3

Advanced-hour course work in Geology  8

Select one group of courses:  10-12

PHYS 101  College Physics: Mech & Heat
& PHYS 102 and College Physics: E&M & Modern

or

PHYS 211  University Physics: Mechanics
& PHYS 212 and University Physics: Elec & Mag
& PHYS 213 and Univ Physics: Thermal Physics
& PHYS 214 and Univ Physics: Quantum Physics

**Requirements for the Teacher Education in Secondary School Teaching Minor**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EDUC 201</td>
<td>Identity and Difference in Education 1</td>
<td>3</td>
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<tr>
<td>EDUC 202</td>
<td>Social Justice, School and Society   1</td>
<td>3</td>
</tr>
<tr>
<td>CI 401</td>
<td>Introductory Teaching in a Diverse Society</td>
<td>3</td>
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<tr>
<td>CI 403</td>
<td>Teaching a Diverse High School Student Population</td>
<td>3</td>
</tr>
<tr>
<td>CI 404</td>
<td>Teaching and Assessing Secondary School Students</td>
<td>3</td>
</tr>
<tr>
<td>CI 473</td>
<td>Disciplinary Literacy</td>
<td>3</td>
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<tr>
<td>EPSY 201</td>
<td>Educational Psychology 1, 2</td>
<td>3</td>
</tr>
<tr>
<td>EPSY 485</td>
<td>Assessing Student Performance</td>
<td>3</td>
</tr>
<tr>
<td>SPED 405</td>
<td>General Educator’s Role in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDPR 442</td>
<td>Educational Practice in Secondary Education</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Hours  39-40

1  EDUC 201, EDUC 202 and EPSY 201 can be completed at any time during the degree and are not pre-requisites to apply for the minor.

2  PSYC 100 is a pre-requisite for EPSY 201.

*Information listed in this catalog is current as of 06/2020*