GEOLOGY: EARTH SCIENCE TEACHING, BSLAS

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

This concentration fulfills state certification requirements to teach high school (grades 9-12) Earth and Space Science through the AP/honors level and biology, chemistry, environmental science and physics up to but not including the AP/honors level.

Time to degree completion varies. Minimum time to completion is 8 semesters. Some students require 10 semesters. Transfer students may need 10 total semesters combined to complete the program. Please see the LAS section in the transfer handbook (https://admissions.illinois.edu/Content/docs/Handbook_LAS.pdf) for more information.

In order to remain in good standing in this program and be recommended for certification, candidates are required to maintain UIUC, cumulative, content area, and professional education grade-point averages of 2.5 (A= 4.0). Candidates should consult their advisor or the Council on Teacher Education for the list of courses used to compute these grade-point averages.

Departmental distinction: The student must have a grade-point average of at least 3.5 in all geology courses as well as all courses in the Teacher Education Minor and a GPA of at least 3.0 in all other science and mathematics courses and must present evidence of exemplary teaching.

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 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.

Code     Title                                      Hours
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Foundation Courses
The following courses must be completed or in progress when students apply to the Secondary Education minor.

GEOL 107  Physical Geology 1                    4
GEOL 208  History of the Earth System           4
GEOL 333  Earth Materials and the Env 2         4
MATH 220  Calculus or MATH 22 Calculus I         4-5
or MATH 23 Calculus for Business I

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

Select one group of courses: 5-6

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

Information listed in this catalog is current as of 04/2019
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

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