SCIENCE OF THE
EARTH SYSTEM (SES)
CONCENTRATION

https://www.earth.illinois.edu//students

for the degree of Bachelor Science in Liberal Arts and Sciences Major in
Earth, Society, & Environmental Sustainability, Science of the Earth System
Concentration

department page:
department website: https://www.earth.illinois.edu/
department faculty: Earth, Society & Environment Faculty (https://
anthro.illinois.edu/directory/faculty)
overview of college admissions & requirements: Liberal Arts &
Sciences (http://catalog.illinois.edu/las)
college website: https://las.illinois.edu/
E-mail: sese-info@illinois.edu

All students wishing to attend graduate school in any field should discuss
necessary supplementary course work with their advisor as early as
possible.

A Major Plan of Study form must be completed and submitted to the
LAS Student Affairs Office before the end of the fifth semester (60-75
hours). Study abroad courses may be substituted for major and minor
requirements with approval of advisor.

Departmental distinction: Students who maintain grade point averages
of at least 3.3 in all courses within the major and who undertake a
faculty-guided individual research project for credit in the major are
recommended for graduation with distinction.

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ESE Core Requirements:
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 48-58 hours. Twelve hours of 300- and 400-level in the
major must be taken on this campus. Substitutions may be made
with advisor approval.
Minimum hours required for graduation: 120 hours.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ESES Introductory Core: Students take one approved introductory or advanced course from at least four of the following five areas. Approved courses within these areas are available from the ESE advisor²</td>
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<td>12-14</td>
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<tr>
<td>Environment and the Human Response</td>
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<td>Sustainability, Policy, and Global Change</td>
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<td>Earth's Physical Systems, Resources, and Hazards</td>
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<td>Visualizing the Earth System</td>
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<td>Earth's Biosphere and Ecology</td>
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<td>ESE coursework 6</td>
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<td>GEOG 379 Intro to GIS Systems</td>
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<td>ESE 200 Earth Systems</td>
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Advanced Courses 15-20
A minimum of five 300- and 400-level courses, from the approved list and in an academically coherent program approved by the advisor, are required. At least three of these five advanced courses must be listed or cross-listed as an ESE or ENSU course. Courses taken to satisfy the "ESE Introductory Core" requirement cannot simultaneously be used to satisfy the Advanced Course requirement. These courses should be used to help meet the LAS requirement of 21 hours of 300- or 400-level courses overall, and the 12 hours of 300- or 400-level courses in the major. It is strongly recommended that students complete the LAS requirement with 21 hours of 300- or 400-level courses related to the ESE curriculum.

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<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>CHEM 102 General Chemistry I or CHEM Accelerated Chemistry I</td>
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<td>CHEM 103 General Chemistry Lab I or CHEM Accelerated Chemistry Lab I</td>
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<td>MATH 220 Calculus or MATH Calculus I</td>
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<td>STAT 100 Statistics</td>
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<td>PHYS 101 College Physics: Mech &amp; Heat or PHYS University Physics: Mechanics</td>
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<td>Highly recommended: ECON 102</td>
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Information listed in this catalog is current as of 04/2019