**ACADEMIC PLANNING GUIDE - ENVIRONMENTAL SCIENCE**

**MAJOR REQUIREMENTS**

*Required Semester Hours:*  
**BA:** 56 semester hours  
**BS:** 64 semester hours

### Prerequisites and Supporting Courses: 16 semester hours

**All Degrees:**
- CHEM 1150: General Chemistry I (4) - meets Physical Science Requirement  
- CHEM 1160: General Chemistry II (4)  
- CHEM 2510: Introductory Environmental Chemistry (4) or Au Sable Institute Environmental Chemistry (4)  
- PHIL 2910 (Environmental Studies or Philosophy of Nature)(4) or departmentally approved environmental ethics course (4)

**BA degree:**
- one of the following:
  - CHEM 1021/1031: Survey of Organic Chemistry (2)/Survey or Biochemistry (2)  
  - CHEM 2310: Organic Chemistry I (4)

**BS degree:**
- CHEM 310: Organic Chemistry (4)

### Required Core Courses: 18 (BA) or 22 (BS) semester hours

**BA degree:**
- BIOL 1180: Introduction to Environmental Science (2) - meets Life Science Requirement  
- BIOL 1260: Introduction to Cell Biology (4) - meets Writing Intensive Requirement  
- BIOL 2270: Introduction to Zoology (4) - meets the Writing Research designation  
- BIOL 2280: Introduction to Botany (4) - meets the Writing Research designation  
- BIOL 3180: Ecology (4)  
- BIOL 4901: Comprehensive Examination (0)

**BS degree:**
- BIOL 4930 or 4970: Internship or Directed Research (4)

### Elective Courses:

**BA degree:** at least 22 semester hours  
**BS degree:** at least 26 semester hours

- PHYS 1070: Climate Dynamics (2)  
- BIOL 2110: Economic Botany (2)  
- BIOL 2115: Prairie and Ranch Resources (2)  
- BIOL 2120: Ecology of the Boreal Forest (2)  
- BIOL 2125: Tropical Ecology of Costa Rica (4)  
- BIOL 2140: Field Studies in Biology (2 or 4)  
- BIOL 2155: Culture and Ecology of Asia (2)  
- BIOL 3150: Biodiversity and Evolution (4)  
- BIOL 3170: Native Wildflowers, Trees and Shrubs of the Great Lakes Region (4)  
- BIOL 3190: Ethology (4)  
- BIOL 3200: Natural History of the Vertebrates (4)  
- BIOL 3210: Genetics (4)  
- BIOL 3790: Advanced Topics in Botany (3-4)  
- BIOL 3890: Marine and Aquatic Biology (4)  
- BIOL 4950: AuSable Institute of Environmental Studies (4-8)

**Notes:**
- Students must take a national biology comprehensive exam (BIOL 4901) during their last semester of full-time enrollment.
- Biology Internship and Directed Research requires a GPA of 3.0 in biology courses at North Park.
- BIOL 3010 does not count toward elective credit above 2100.
- Biology Internship (BIOL 4930) and Directed Research (BIOL 4970) requires a GPA of 3.00 in biology courses at North Park.

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The Academic Planning Guide is designed as a guide for students planning their course selections. The information on this page provides only a suggested schedule. Actual course selections should be made with the advice and consent of a faculty advisor. While accurately portraying the information contained in the college catalog, this form is not considered a legal substitute for that document. Students should become familiar with the catalog in effect at the time in which they entered the institution.
# Academic Planning Guide - Environmental Science

**Core Curriculum**

Starting with the framework of North Park’s identity as a Christian, liberal arts institution, our Core Curriculum is intentionally multi-disciplinary and multi-year. It is set up as a progress through three areas: Foundation Courses, Explorations Courses, and Capstone Courses.

http://www.northpark.edu/Academics/Undergraduate-Studies/Core-Curriculum

<table>
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<tr>
<th>Foundations</th>
<th>Explorations</th>
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<tbody>
<tr>
<td>Preparing for more in-depth work in both the Core Curriculum and your major</td>
<td>Knowledge in specific disciplines, with strong emphasis on how you can use them in the context of your own life</td>
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<tr>
<td>Cornerstone Seminar (4sh)</td>
<td>Art and Aesthetics (2sh)</td>
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<tr>
<td>Biblical Studies (4sh)</td>
<td>Christian Life &amp; Thought (4sh)</td>
</tr>
<tr>
<td>Health and Well-Being (2sh)</td>
<td>Life Science (2sh/lab)</td>
</tr>
<tr>
<td>Analytical &amp; Quantitative Reasoning (4sh)</td>
<td>Physical Science (2sh/lab)</td>
</tr>
<tr>
<td>Global Histories (4sh)</td>
<td>Culture and Society (4sh)</td>
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<tr>
<td>Modern Languages (8sh)</td>
<td>Ethical Reasoning (2sh)</td>
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<tr>
<td></td>
<td>partially met by BIOL 3010 (elective course)</td>
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</tbody>
</table>

**Intermediate Level Writing**

Two courses in the context of your major that specifically address writing clearly and doing effective research

<table>
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<tr>
<th>Writing Intensive Course (4sh)</th>
<th>Research Writing Course (4sh)</th>
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<tbody>
<tr>
<td>met by BIOL 1260</td>
<td>met by BIOL 2270 or BIOL 2280</td>
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**Keystone**

Interdisciplinary integration of skills and knowledge applied to contemporary social issues

| Keystone Seminar (4sh) | |

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