



ACADEMIC PLANNING GUIDE - ENVIRONMENTAL SCIENCE

effective with 2017-2018 Catalog

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 2310: Organic Chemistry (4)

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

- 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 only:* 4930 or 4970: Internship or Directed Research (4)

Elective Courses:

BA degree: at least 22 semester hours

BS degree: at least 26 semester hours

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

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.

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.

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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>

Foundations

Preparing for more in-depth work in both the Core Curriculum and your major

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| Cornerstone Seminar (4sh) |
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| Biblical Studies (4sh) |
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| Health and Well-Being (2sh) |
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| Analytical & Quantitative Reasoning (4sh) |
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| Global Histories (4sh) |
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| Modern Languages (8sh) |
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Explorations

Knowledge in specific disciplines, with strong emphasis on how you can use them in the context of your own life

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| Art and Aesthetics (2sh) |
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| Christian Life & Thought (4sh) |
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| Life Science (2sh/lab) |
| <i>met by BIOL 1180</i> |

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| Physical Science (2sh/lab) |
| <i>met by CHEM 1150</i> |

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| Culture and Society (4sh) |
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| Ethical Reasoning (2sh) |
| <i>partially met by BIOL 3010 (elective course)</i> |

Intermediate Level Writing

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

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| Writing Intensive Course (4sh) |
| <i>met by BIOL 1260</i> |

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| Research Writing Course (4sh) |
| <i>met by BIOL 2270 or BIOL 2280</i> |

Keystone

Interdisciplinary integration of skills and knowledge applied to contemporary social issues

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| Keystone Seminar (4sh) |
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