ACADEMIC PLANNING GUIDE - BIOLOGY

Effective with 2018-2019 Catalog

MAJOR REQUIREMENTS

Required Semester Hours:

**B.A.:** 36 semester hours + 12 prerequisite semester hours

**B.S.:** 44 semester hours + 12 prerequisite semester hours

Prerequisites and Supporting Courses: 12 semester hours

**B.A. Degree:**

- CHEM 1150: Introduction to Chemistry I (4) - meets Physical Science Requirement
- CHEM 1160: Introduction to Chemistry II (4)

One of the following:

- CHEM 1021/1031: Survey of Organic Chemistry (2)/Survey of Biochemistry (2)
- CHEM 2310: Organic Chemistry (4)

**B.S. Degree:**

- CHEM 1150: Introduction to Chemistry I (4) - meets Physical Science Requirement
- CHEM 1160: Introduction to Chemistry II (4)
- CHEM 2310: Organic Chemistry (4)

Required Core Courses: 20 semester hours

- BIOL 1250: Introduction to Human Anatomy (4) - meets Life Science Requirement
- BIOL 1260: Introduction to Cell Biology (4) - meets Writing Intensive course Requirement

One of the following:

- BIOL 2270: Introduction to Zoology (4) - meets the Research Writing Course Requirement
- BIOL 2280: Introduction to Botany (4) - meets the Research Writing Course Requirement

One of the following:

- BIOL 3210: Genetics (4)
- BIOL 3230: Molecular Biology (4)

One of the following:

- BIOL 3150: Biodiversity and Evolution (4)
- BIOL 3180: Ecology (4)
- BIOL 3190: Ethology (4)

BIOL 4901: Comprehensive Examination (0) - to be taken during the last semester of full-time enrollment

Elective Courses:

**B.A. Degree:**

- 16 semester hours of Biology courses above 2100. Up to 4 sh of internship and/or directed research.

**B.S. Degree:**

- 24 semester hours of Biology courses above 2100. Upper division courses must include 4 sh of internship and/or directed research OR a non-credit-bearing, supervised research experience approved in advance by the Biology Department.

Notes:

- No more than a total of 8 sh of BIOL 2100 or BIOL 4020 can apply to the major.
- Students must take a national biology comprehensive exam (BIOL 4901) during their last semester of full-time enrollment.
- BIOL 3010 does not count toward elective credit above 2100.
- Biology Internship (BIOL 4970) and Directed Research (BIOL 4930) 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.
### 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>
<thead>
<tr>
<th>Foundations</th>
<th>Explorations</th>
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<tbody>
<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>
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<tr>
<td>Health and Well-Being (2sh)</td>
<td>Life Science (2sh/lab)</td>
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<tr>
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<td>met by BIOL 1250</td>
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<tr>
<td>Analytical &amp; Quantitative Reasoning (4sh)</td>
<td>Physical Science (2sh/lab)</td>
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<tr>
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<td>met by CHEM 1150</td>
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<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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<td>BIOL 3010 is suggested</td>
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#### Intermediate Level Writing
Two courses in the context of your major that specifically address writing clearly and doing effective research

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<tr>
<th>Writing Intensive Course (4sh)</th>
<th>Research Writing Course (4sh)</th>
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<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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