# Bachelor of Arts with a Major in Biology (BA)

## Degree Requirements

### Hours Required

125 semester credit hours (SCH): 45 hours must be advanced, with fulfillment of degree requirements as specified in the “Requirements for Graduation” section of this catalog.

## Requirements

### [University Core Curriculum]

Select 42 SCH as outlined in the suggested plans and as specified in the “Requirements for Graduation” section of this catalog.

### Math Elective

**MATH 1342**

*Introductory Statistics*

3

Select 1 SCH surplus from core

1

### Major

- **BIOL 1306**
  - Principles of Biology I
  - Principles of Biology I-Lab (taken as part of the core)

- **BIOL 1106**
  - Principles of Biology I-Lab

Select 8 SCH from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1311 &amp; BIOL 1111</td>
<td>Principles of Biology II and Principles of Biology II-Lab</td>
<td>8</td>
</tr>
<tr>
<td>BIOL 1413</td>
<td>Principles of Biology III</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2421</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3410</td>
<td>Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3413</td>
<td>Intro to Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4170</td>
<td>Biology Seminar</td>
<td>1</td>
</tr>
</tbody>
</table>

### Advanced Biology electives

Select 24 SCH from the following:

24

### Minor

Select a minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences.

### Supporting Sciences Curriculum

- **CHEM 1311**
  - General Chemistry I (taken as part of the core)

- **CHEM 1111**
  - General Chemistry I-Lab

- **CHEM 1412**
  - General Chemistry II

- **CHEM 2423**
  - Organic Chemistry I

- **CHEM 2425**
  - Organic Chemistry II

### Four-Year Degree Plan

Following is a suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the Program of Study Requirements; responsible for meeting all course prerequisites; and must meet foreign language and writing intensive course requirements for graduation. See Academic Regulations-Undergraduate online.

#### Freshman

**Fall**

- **BIOL 1306**
  - Principles of Biology I
  - Semester Credit Hours: 3

- **BIOL 1106**
  - Principles of Biology I-Lab
  - Semester Credit Hours: 1

- **CHEM 1311**
  - General Chemistry I
  - Semester Credit Hours: 4

- **ENGL 1301**
  - English Composition I
  - Semester Credit Hours: 3

- **PSCI 2305**
  - American National Government
  - Semester Credit Hours: 3

- **UNIV 1201**
  - Learn a Global Context I
  - Semester Credit Hours: 2

**Spring**

- **CHEM 1412**
  - General Chemistry II
  - Semester Credit Hours: 4

- **ENGL 1302**
  - English Composition II
  - Semester Credit Hours: 3

- **UNIV 1302**
  - Signature Course
  - Semester Credit Hours: 3

**Total Semester Credit Hours**: 16

#### Sophomore

**Fall**

- **CHEM 1111**
  - General Chemistry I-Lab
  - Semester Credit Hours: 1

- **CHEM 1412**
  - General Chemistry II
  - Semester Credit Hours: 4

- **CHEM 2423**
  - Organic Chemistry I
  - Semester Credit Hours: 4

- **CHEM 2425**
  - Organic Chemistry II
  - Semester Credit Hours: 4

**Spring**

- **CHEM 2423**
  - Organic Chemistry I
  - Semester Credit Hours: 4

- **MATH 1342**
  - Introductory Statistics
  - Semester Credit Hours: 3

- **HIST 1302**
  - The US Since 1877
  - Semester Credit Hours: 3

**Total Semester Credit Hours**: 18

* For Chemistry minors, CHEM 2423 will count in the minor and not the supporting sciences. The supporting course (4 SCH) will be replaced with the third course from biology electives (BIOL 1311/BIOL 1111 and BIOL 2421) or an additional upper-level (3000-4000) chemistry course.
<table>
<thead>
<tr>
<th>Soc/Behavioral Science</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language, Philosophy &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>Semester Credit Hours</td>
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**Junior**

**Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>SCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3413</td>
<td>Intro to Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4170</td>
<td>Biology Seminar</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 1301</td>
<td>General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1101</td>
<td>General Physics I Lab</td>
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</tr>
<tr>
<td>Minor/General Elective</td>
<td>3</td>
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<tr>
<td>Creative Arts</td>
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**Spring**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>SCH</th>
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</thead>
<tbody>
<tr>
<td>BIOL 3410</td>
<td>Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL - Advanced Biology Elec</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td></td>
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<tr>
<td>Minor/General Elective</td>
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<tr>
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**Senior**

**Fall**

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<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>BIOL - Advanced Biology Elec</td>
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<tr>
<td>BIOL - Advanced Biology Elec</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Adv Minor/General Elective</td>
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<td>Adv Minor/General Elective</td>
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<td>Semester Credit Hours</td>
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**Spring**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>SCH</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>Adv Minor/General Elective</td>
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<tr>
<td>Total Semester Credit Hours</td>
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1. Biology electives, select 8 SCH from BIOL 1311 and BIOL 1111, BIOL 1413 or BIOL 2421.
2. Advanced Biology electives, select 24 SCH from any additional BIOL course at the 3000-4000 level or from any ENSC course at the 3000-4000 level except ENSC 4340. BIOL 4173-4473 may be repeated for up to 8 SCH for credit within the degree.
3. General elective, 3 SCH at any level. PHYS 1302 recommended for students applying for medical school or other advanced programs requiring physics. PHYS 1102, the co-requisite lab, will be outside the degree program.

*** For Chemistry minors, CHEM 2423 will count in the minor and not the supporting sciences. The supporting course (4 SCH) will be replaced with the third course from biology electives (BIOL 1311/BIOL 1111, BIOL 1413, and BIOL 2421) or an additional upper-level (3000-4000) chemistry course.

*Actual degree plans may vary depending on availability of courses in a given semester.*