BA IN BIOLOGY

Minimum grade requirements:

- A minimum grade of C- is required to advance from BIO201 to BIO202 and from BIO202 to BIO320.
- A minimum grade of C- in BIO320 is required to advance to most upper-division biology courses (300 and above).
- A minimum grade of C- is required to advance from CHE201 to CHE202, from CHE202 to CHE318, and from CHE318 to CHE319.
- A minimum grade of C- in CHE319 is required to enroll in BCM461.
- A minimum grade of C- is required to advance from CHE201 to CHE202, from CHE202 to CHE318, and from CHE318 to CHE319.

57 credits, plus an approved minor

In lieu of an approved minor, Biology BA students may complete a double major.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td></td>
<td>Pre-Major Requirements (16 Credits)</td>
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</tr>
<tr>
<td>BIO201</td>
<td>and BIO211</td>
<td>4</td>
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<tr>
<td>BIO202</td>
<td>and BIO212</td>
<td>4</td>
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<tr>
<td>CHE201</td>
<td>and CHE211</td>
<td>4</td>
</tr>
<tr>
<td>CHE202</td>
<td>and CHE212</td>
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Required Biology Course (4 Credits)

- BIO320: 4 credits

Major Electives (18 Credits)

Select 18 credits of Biology (or Biochemistry) courses at the 300 level or above.

Lecture Series (6 Credits)

Participation in 6 hours of Lecture Series

Cognate Requirements (19 Credits)

Additional Chemistry Requirements:

- CHE318: 3 credits
- CHE306: 1 credit

Math Requirements:

- MAT241: 3 credits
- MAT251: 4 credits

Physics Requirements:

Select one of the following two groups:

Group A:

- PHY221 and & PHY211
- PHY222 and & PHY232

Group B:

- PHY201 and & PHY211
- PHY202 and & PHY212

Additional Breadth Requirement (18-22 Credits)

Select an approved minor: 18-22 credits

Total Credits: 81-85

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1 Also required: Minimum MPL of 4; minimum cumulative GPA of 2.5.
2 BIO201/BIO211 General Biology I/General Biology I Lab and BIO202/BIO212 General Biology II/General Biology II Lab must be taken in sequence. A minimum grade of C- is required in BIO201 and BIO202.
3 A minimum grade of C- is required to advance from CHE201 General Chemistry I to CHE202 General Chemistry II and from CHE202 General Chemistry II to CHE318 Organic Chemistry I.
4 A minimum grade of C- in BIO320 Genetics is required to advance to most upper-division biology courses (300 and above).
5 These must be Biology (or Biochemistry) courses at the 300-level or above, including at least three lab courses. A maximum of 4 credits from independent projects, including Research, Fieldwork or Independent Study, can be counted towards the major.
6 See relevant minimum-grade requirements at top of page.

Additional considerations for admission to medical, dental and veterinary schools: The requirements for these professional schools are constantly evolving and vary from institution to institution. Please contact the Pre-Health Adviser.

This eight-semester plan (see important details) is intended to guide a first-year student through a four-year undergraduate career, with completion of an academic major and all college-wide degree requirements. The plan is designed as an advising tool – a starting point for careful discussions between a student and his/her academic adviser. In consultation, the student and adviser will adjust the plan to accommodate the student's prerequisite needs, transferred credits, and other such variables.

Students are responsible for reviewing their Progress Reports each semester to track their own progress toward degree requirements.

Course | Title                        | Credits |
Year 1  |                              |         |
Fall    |                              |         |
BIO201  |                              | 3       |
BIO211  |                              | 1       |
CHE201  |                              | 3       |
CHE211  |                              | 1       |
MAT251  |                              | 4       |
Gen Ed: Composition (COMP) | 3       |
Credits |                              | 15      |
Spring  |                              |         |
BIO202  |                              | 3       |
BIO212  |                              | 1       |
CHE202  |                              | 3       |
CHE212  |                              | 1       |
Gen Ed: Composition (COMP) | 3       |
Gen Ed: Western Civilization (WEST) | 3       |
Credits |                              | 14      |
### Year 2
#### Fall
- BIO320 4
- CHE318 3
- CHE306 1
- Gen Ed: Foreign Languages (FLNG) 3
- Gen Physics I or Fundamental Physics I with lab 4

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#### Spring
- Upper-division Biology elective 3-4
- Course in approved minor 3
- Gen Ed: Humanities (HUM) 3
- Gen Physics II or Fundamental Physics II with lab 4

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### Year 3
#### Fall
- Upper-division Biology elective 3-4
- Course in approved minor 3
- MAT241 3
- Gen Ed: The Arts (ART) 3
- Gen Ed: United States Studies (USST) 3

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#### Spring
- Biology elective with lab 4
- Course in approved minor 3
- Gen Ed: Writing Intensive (WI) 3-4
- Gen Ed: World Civilizations and Cultures (WRLD) 3
- Elective 3

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### Year 4
#### Fall
- Biology elective with lab 4
- Gen Ed: Social Sciences (SSCI) 3
- Course in approved minor 3
- Elective 3

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#### Spring
- Biology elective with lab 4
- Gen Ed: Diversity (DIVR) 3
- Course in approved minor 3
- Course in approved minor 3
- Elective 3

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<th>Total Credits</th>
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1. Select one of the following Physics courses with lab (please note that the General Physics sequence requires Calculus I and II): PHY211 Physics 1 Laboratory, PHY221 Fundamental Physics 1 (NSCI), PHY222 Fundamental Physics II (NSCI), PHY232 Fundamental Physics 2 Lab.

2. Select one of the following Physics courses with lab: PHY202 General Physics 2 (NSCI), PHY212 General Physics 2 Lab, PHY222 Fundamental Physics II (NSCI), PHY232 Fundamental Physics 2 Lab.