# Bachelor of Science in Biology

## Summary of Graduation Requirements

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education Core</td>
<td>42</td>
</tr>
<tr>
<td>Major Requirements</td>
<td>49</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
</tr>
<tr>
<td>Other Requirements</td>
<td>26</td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td><strong>120</strong></td>
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</table>

## Curriculum

### Course Title

<table>
<thead>
<tr>
<th>Credits</th>
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<tr>
<td><strong>28</strong></td>
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</table>

#### First Year

<table>
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<tr>
<th>Credits</th>
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<tr>
<td><strong>2</strong></td>
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</table>

**SEM 101** Spartan Seminar 101 and Spartan Seminar 102

**BIO 110** General Biology and General Biology Laboratory

**BIO 111** General Biology II and General Biology II Laboratory

**ENG 101** College English I

**ENG 102** College English II

**HED 100** Personal and Community Health

Select one of the following:

- **HIS 100** History of World Societies I
- **POS 100** American Government, American Government
- **SOC 110** Introduction to Sociology

**MTH 151** College Algebra

**MTH 153** College Algebra & Trigonometry

**PED 100** Fundamentals of Fitness for Life

### Second Year

<table>
<thead>
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**SEM 201** Spartan Seminar 201

**BIO 260** Integrative Zoology and Integrative Zoology Laboratory

**BIO 261** General Botany

**BIO 261L** General Botany Laboratory

**XXX XXX** Biology Elective

**CHM 221** General Chemistry I

**CHM 222** General Chemistry II

**CHM 221L** General Chemistry I Laboratory

**CHM 222L** General Chemistry II Laboratory

**CSC 150** Computer Literacy

**XXX 111** Intro to French, Spanish, German or Arabic

**XXX 112** Intro to French, Spanish, German or Arabic

**ENG 285** Public Speaking

### Third Year

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>33</strong></td>
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</table>

**BIO XXX XXX** Elective

**BIO 263** Vertebrate Embryology and Vertebrate Embryology Lab

**BIO XXX XXX** Elective

**BIO 270** Comparative Vertebrate Anatomy and Physiology and Comparative Anatomy & Physiology Lab

**BIO 272** Human Anatomy and Human Anatomy Laboratory

**BIO 310** General Microbiology

**BIO 310L** General Microbiology Laboratory

**CHM 321** Organic Chemistry I

**CHM 321L** Organic Chemistry I Laboratory

**CHM 322** Organic Chemistry II

**CHM 322L** Organic Chemistry II Laboratory

**CSC 150** Computer Literacy

**XXX XXX** Free Elective

Select one of the following:

- **ENG 383** African American Literature
- **HIS 335** African American History
- **HIS 336** African American History Since 1865
- **HRP 320** African American Health
- **MUS 234** African American Music

### Fourth Year

<table>
<thead>
<tr>
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<tr>
<td><strong>33</strong></td>
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**BIO 351** Principles of Genetics

**BIO 351L** Principles of Genetics Laboratory

**BIO 364** Seminar & Colloquium in Biology

Select one of the following **BIO elective**:

- **BIO 459** General Physiology
- **BIO 459L** General Physiology Laboratory
- **BIO 461** Plant Physiology & 461L Plant Physiology Laboratory

**BIO 495** Biostatistics

**BIO 474** Molecular Biology

**BIO 474L** Molecular Biology Laboratory

Select one Cultural Elective:

- **ENG 383** African American Literature
- **FIA 270** History of Art Survey I
- **HIS 335** African American History
- **HIS 336** African American History Since 1865
- **HRP 320** African American Health
- **MUS 234** African American Music

**XXX XXX** Free Elective

Select one Humanities Elective:

- **HUM 210** Humanities
- **HUM 211** Humanities
- **ENG 207** Introduction to World Literature
- **FIA 201** Basic Art Appreciation
<table>
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<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MUS 301</td>
<td>Music Appreciation</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td><strong>120</strong></td>
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All Biology courses require students to take both lecture (3 credits) and lab (1 credit) with the exception of BIO 364 Seminar & Colloquium in Biology and BIO 495 Biostatistics. The lab for BIO 474L Molecular Biology Laboratory is 2 credits.