# Biology

## Department of Biology
255 Bio-Life Building 215-204-8851  
Chairperson: Dr. Allen Nicholson  
Faculty Advisor: (A-M) Dr. Joel Sheffield  
Faculty Advisor: (N-Z) Prof. Evelyn Vleck  
www.temple.edu/biology

## CST Credit Requirements:
- **123** minimum total credits  
- **90** minimum CST/CLA credits  
- **45** minimum upper-level (2000+) CST/CLA credits

**Backtracking rule:** Credit for courses 2 or more levels below previously completed coursework cannot be used towards the degree.

### Bachelor of Arts

#### Recommended Sequence of Major Courses:
- General Chemistry I: Chem 1031  
- General Chemistry Lab I: Chem 1033  
- Calculus I: Math 1041  
- Intro to Biology I: Bio 1111  
- General Chemistry II: Chem 1032  
- General Chemistry Lab II: Chem 1034  
- Calculus II: Math 1042  
- Intro to Biology II: Bio 2112  
- Organic Chemistry I: Chem 2201  
- Organic Chemistry Lab I: Chem 2203  
- Genetics: Bio 2296\*  
- Organic Chemistry II: Chem 2202  
- Organic Chemistry Lab II: Chem 2204  
- Cell Structure: Bio 3096\*  
- General Physics I: Physics 2021  
- Make an Appointment for Graduation Review  
- General Physics II: Physics 2022  
- Principles of Ecology: Bio 2227\*  
- Biology Elective (2200+)\*  
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- Biology Elective (2200+)\*  
- Upper Level Liberal Arts course 2000+  
- Upper Level Liberal Arts course 2000+

**CST College Requirements:**
- Upper Level Liberal Arts course 2000+

**Placement:** Math:  
English:  
FL:  

**Notes:**
- F= Fall Only  
- S=Spring Only  
- Please check all pre- and co-requisites for courses before registering.  
- *Check course descriptions. Courses marked "Not available for biology major credit" cannot be used as electives.  
- **Refer to the Undergraduate Bulletin for elective options outside the Biology department.
- ** CR path

### Bachelor of Science

#### Recommended Sequence of Major Courses:
- General Chemistry I: Chem 1031  
- General Chemistry Lab I: Chem 1033  
- Calculus I: Math 1041  
- Intro to Biology I: Bio 1111  
- General Chemistry II: Chem 1032  
- General Chemistry Lab II: Chem 1034  
- Calculus II: Math 1042  
- Intro to Biology II: Bio 2112  
- Organic Chemistry I: Chem 2201  
- Organic Chemistry Lab I: Chem 2203  
- Principles of Ecology: Bio 2227\*  
- Genetics: Bio 2296\*  
- Organic Chemistry II: Chem 2202  
- Organic Chemistry Lab II: Chem 2204  
- Cell Structure: Bio 3096\*  
- General Physics I: Physics 2021  
- Make an Appointment for Graduation Review  
- General Physics II: Physics 2022  
- Biology Elective (2200+)\*  
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**CST College Requirements:**
- Upper Level Liberal Arts course 2000+

**Placement:** Math:  
English:  
FL:  

**Notes:**
- Please check all pre- and co-requisites for courses before registering.

*Suggested Courses:*
- ____________________________  
- ____________________________  
- ____________________________  
- ____________________________  

**NOTES:**
- ____________________________  
- ____________________________  
- ____________________________  
- ____________________________  
- ____________________________  

The Undergraduate Bulletin is the official source for major requirements: www.temple.edu/bulletin

□ F4
**University Requirements 2014-2015**

**Appropriate University Curriculum:**
- Gen Ed Traditional
- Gen Ed 45+
- Gen Ed-to-Gen Ed

<table>
<thead>
<tr>
<th>Gen Ed Curriculum</th>
<th>Gen Ed-to-Gen Ed</th>
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<tbody>
<tr>
<td><strong>Gen Ed Traditional:</strong></td>
<td><strong>Gen Ed-to-Gen Ed:</strong></td>
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<tr>
<td>□ Analytical Reading &amp; Writing: Eng 0802</td>
<td>Transfer students with a pre-approved Associate’s degree from an institution that has an established transfer agreement with Temple have satisfied their GenEd requirements, with the following exception for BA students:</td>
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<tr>
<td>□ Mosaic I: Intellectual Heritage (IH) 0851</td>
<td>Bachelor of Arts (BA) Only</td>
</tr>
<tr>
<td>□ Mosaic II: Intellectual Heritage (IH) 0852</td>
<td>□ 2nd level of a Language</td>
</tr>
<tr>
<td>□ US Society (GU)</td>
<td><strong>may be waived based on major courses</strong></td>
</tr>
<tr>
<td>□ Human Behavior (GB)</td>
<td>Bachelor of Arts (BA) Only</td>
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<tr>
<td>□ Arts (GA)</td>
<td>□ 2nd level of a Language</td>
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<tr>
<td>□ Diversity and Race (GD)</td>
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<tr>
<td>□ Global/World Society (GG)</td>
<td><strong>Gen Ed online:</strong></td>
</tr>
<tr>
<td>□ Quantitative Literacy (GQ)**</td>
<td><a href="http://www.temple.edu/gened">www.temple.edu/gened</a></td>
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<tr>
<td>□ Science and Technology (GS)**</td>
<td><a href="http://www.temple.edu/vpus/transfer/TransferGenEd.htm">www.temple.edu/vpus/transfer/TransferGenEd.htm</a></td>
</tr>
<tr>
<td><strong>Gen Ed 45+ (45 or more transfer credits):</strong></td>
<td><strong>University Core:</strong></td>
</tr>
<tr>
<td>□ Analytical Reading &amp; Writing: Eng 0802</td>
<td>Students who were admitted as freshmen prior to fall 2008, or were admitted as transfers prior to fall 2010, follow the University Core curriculum instead of the Gen Ed curriculum.</td>
</tr>
<tr>
<td>□ Mosaic I or II: Intel Heritage (IH) 0851 or 0852</td>
<td></td>
</tr>
<tr>
<td>□ US Society (GU)*</td>
<td><strong>Undergraduate Bulletin:</strong></td>
</tr>
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<td>The Undergraduate Bulletin is the official reference for University Requirements at:</td>
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<td>□ Arts (GA)*</td>
<td><a href="http://www.temple.edu/bulletin">www.temple.edu/bulletin</a></td>
</tr>
<tr>
<td>□ Diversity and Race (GD)</td>
<td><strong>Note:</strong> No more than two courses from the same department may be used to satisfy GenEd requirements. GenEd courses may not be used to satisfy major requirements.</td>
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**Note:**
- Students must complete at least 2 Writing-Intensive (WI) courses within the major, to be taken at Temple. These must be specific courses or course combinations within the major, or electives required for the major. These courses must be taken at Temple University. Writing-Intensive courses are numbered XX96, XX97, or XX98.