**TUteach: Biology with Teaching 2016-2017**

**Department of Biology**  
255 Bio-Life Building  215-204-8851  

**Content Advisors:**  
Dr. Joel Sheffield (A-M) & Prof. Evelyn Vleck (N-Z)  

**Program Director:**  
Dr. Susan Varnum  

**Master Teacher/Faculty Advisor:**  
Mr. George Mehler  

**Academic Advisor:** Kenneth Ruff  
www.temple.edu/biology

The B.S. with Teaching in Biology provides broad training in Biology, and prepares students for a career in secondary school teaching. **Please note:** PA Certification requires passing scores in the PRAXIS I/PAPA Teacher Certification Exam.

**Name:**

### Recommended Sequence of Major Courses for Bachelor of Science:

- **Calculus I:** Math 1038* or 1041 or 1941H
- **General Chemistry I:** Chem 1031 or 1951FH
- **General Chemistry Lab I:** Chem 1033 or 1953FH
- **TUteach Step 1 & 2:** SCTC 1389
- **Introduction to Biology:** Bio 1111 or 1911SH
- **Calculus II:** Math 1042 or 1942H OR Intro to Prob & Stats for the Life Sciences: Math 1044
- **General Chemistry II:** Chem 1032 or 1952SH
- **General Chemistry Lab II:** Chem 1034 or 1954SH
- **Schedule PAPA Exam**
- **Introduction to Biology:** Bio 2112 or 2912FH
- **Organic Chemistry I:** 2201 or 2211F or 2921FH
- **Organic Chemistry Lab I:** 2203 or 2213F or 2923FH
- **TUteach Knowing and Learning:** Ed 2179
- **TUteach Special Ed:** 2231

- **Genetics:** Bio 2296S
- **Organic Chemistry II:** 2202 or 2212S or 2922SH
- **Organic Chemistry Lab II:** 2204 or 2212S or 2922SH
- **TUteach Differentiated Literacy Instruction in the Disciplines:** 7-12: Secondary Ed 3796

### Placement: Math:  

<table>
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<tr>
<th>Notes:</th>
<th>English:</th>
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<tr>
<td>* Fall Only</td>
<td>★ Spring Only</td>
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Please check all pre- and co-requisites before registering.

* Students who choose Math 1038 must also take the corresponding section of the linked course Math 1039

**Check course descriptions. Courses marked "Not available for biology major credit" cannot be used as electives.

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

**Office Use Only:** CR Path

### CST Credit Requirements:

- 124 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.

Admission to candidacy is required to complete this degree. This includes, but is not limited to, a 3.0 minimum GPA and a passing score in the PRAXIS I/PAPA Teacher Certification Exam.

**Suggested Courses:**

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**FL:**

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**Office Use Only:** CR Path
## University Requirements 2016-2017

### Appropriate University Curriculum:

<table>
<thead>
<tr>
<th>Gen Ed Traditional</th>
<th>Gen Ed 45+</th>
<th>Gen Ed-to-Gen Ed</th>
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</thead>
<tbody>
<tr>
<td>□ Analytical Reading &amp; Writing: Eng 0802________</td>
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<tr>
<td>□ Mosaic I: Intel Heritage (IH) 0851 ____________</td>
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<td>□ Mosaic II: Intel Heritage (IH) 0852___________</td>
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<td>□ US Society (GU)______________________</td>
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<td>□ Human Behavior (GB)**__________________</td>
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<td>□ Arts (GA)___________________________</td>
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<td>□ Diversity and Race (GD)______________</td>
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<tr>
<td>□ Global/World Society (GG)______________</td>
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<tr>
<td>□ Quantitative Literacy (GQ)**___________</td>
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<tr>
<td>□ Science and Technology (GS)**___________</td>
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<tr>
<td>** Students who complete TUteach majors typically receive a waiver for 1 GB, 2 GS and 1 GQ courses.</td>
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</table>

### Bachelor of Arts (BA) Only

□ 2nd level of a Language ____________

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### Gen Ed 45+ (45 or more transfer credits):

□ Analytical Reading & Writing: Eng 0802______
□ Mosaic I or II: Intel Heritage (IH) 0851 or 0852 ___
□ US Society (GU)*______________
□ Human Behavior (GB)*_________ *2 of the 3
□ Arts (GA)*___________________
□ Diversity and Race (GD)__________
□ Global/World Society (GG)________
□ Quantitative Literacy (GQ)**__________
□ Science and Technology (GS)**__________

** Students who complete TUteach majors typically receive a waiver for 1 GB, 2 GS and 1 GQ courses.

### Bachelor of Arts (BA) Only

□ 2nd level of a Language ____________

### Gen Ed-to-Gen Ed:

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:

** Bachelor of Arts (BA) Only

□ 2nd level of a Language ____________

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## Gen Ed online:

www.temple.edu/gened
www.temple.edu/vpus/transfer/TransferGenEd.htm

## University Core:

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.

## Undergraduate Bulletin:

The Undergraduate Bulletin is the official reference for University Requirements at:

bulletin.temple.edu

## Note:

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.

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Date: ____________  Date: ____________
Advisor: ____________  Advisor: ____________
Student: ____________  Student: ____________

Date: ____________  Date: ____________
Advisor: ____________  Advisor: ____________
Student: ____________  Student: ____________

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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.