TUteach:
Biology with Teaching 2014-2015

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

Content Advisors:
Dr. Joel Sheffield & Prof. Evelyn Vleck

Program Director:
Dr. Doug Baird

Master Teacher/Faculty Advisor:
Ms. Kathleen McKinley

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

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.

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 and PRAXIS II Teacher Certification Exams.

Name:  

TUID:

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

- □ Calculus I: Math 1041 ______
- □ General Chemistry I: Chem 1031 ______
- □ General Chemistry Lab I: Chem 1033 ______
- □ TUteach Step 1 & 2: CST 1389 ______

- □ Introduction to Biology: Bio 1111 ______
- □ Calculus II: Math 1042 ______
- □ General Chemistry II: Chem 1032 ______
- □ General Chemistry Lab II: Chem 1034 ______

- □ Schedule PAPA Exam
- □ Introduction to Biology: Bio 2112 ______
- □ Organic Chemistry I: 2201 ______
- □ Organic Chemistry Lab I: 2203 ______
- □ TUteach Knowing and Learning: Ed 2179 ______
- □ TUteach Special Ed 2231 ______

- □ Genetics: Bio 2296<sup>s</sup> ______
- □ Organic Chemistry II: 2202 ______
- □ Organic Chemistry Lab II: 2204 ______
- □ TUteach Differentiated Literacy Instruction in the Disciplines, 7-12: Secondary Ed 3796 ______

- □ Make an Appointment for Candidacy Review
- □ Cell Structure and Function: Bio 3096<sup>f</sup> ______
- □ General Physics I: Physics 2021<sup>f</sup> ______
- □ TUteach Persp. on Science & Math: Phil 2196<sup>f</sup> ______

- □ Principles of Ecology: Bio 2227<sup>s</sup> ______
- □ General Physics II: Physics 2022<sup>s</sup> ______
- □ TUteach Research Methods: Bio 3091<sup>s</sup> ______
- □ TUteach Classrm Interact: Math or Sci Ed 2189<sup>s</sup> ______

- □ Make an Appointment for a Graduation Review
- □ Biology elective numbered above 2200* ______
- □ Biology elective numbered above 2200* ______
- □ TUteach Project-Based Instruction: Math or Science Ed 4189<sup>f</sup> ______

- □ Biology elective numbered above 2200** ______
- □ TUteach Apprentice Teaching: Ed 4388 ______
- □ TUteach Apprentice Teaching Sem: Ed 4802 ______

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

Notes:
- □ CR Path  
- □ F4

Notes:
- Fall Only  
- 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.

The Undergraduate Bulletin is the official source for major requirements: www.temple.edu/bulletin.
# University Requirements 2014-2015

## Appropriate University Curriculum:

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<th>Gen Ed Traditional</th>
<th>Gen Ed 45+</th>
<th>Gen Ed-to-Gen Ed</th>
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### Gen Ed Curriculum

#### Gen Ed Traditional:

- □ Analytical Reading & Writing: Eng 0802________
- □ Mosaic I: Intel Heritage (IH) 0851 __________
- □ Mosaic II: Intel Heritage (IH) 0852__________
- □ US Society (GU)________________
- □ Human Behavior (GB)** _____________
- □ Arts (GA)_______________
- □ Diversity and Race (GD)_______________
- □ Global/World Society (GG)_______________
- □ Quantitative Literacy (GQ)** ______________
- □ Science and Technology (GS)** ____________

**may be waived based on major courses

#### Bachelor of Arts (BA) Only

- □ 2nd level of a Language _____________

#### 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)** ____________

**may be waived based on major 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 _____________

### Gen Ed online:

- [www.temple.edu/gened](http://www.temple.edu/gened)
- [www.temple.edu/vpus/transfer/TransferGenEd.htm](http://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: [www.temple.edu/bulletin](http://www.temple.edu/bulletin).

### 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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