



**TUteach**

# **BIOLOGY with TEACHING**

**2009-2010**

**Department of Biology**

**255 Biology Life Sciences Building**

(215) 204-8851

**Program Directors:** Dr. Tom Walker &

Dr. Doug Baird

**Master Teacher/Faculty Advisor:** Dr. Herbert Green

**Content Advisor:** Dr. Joel Sheffield & Mrs. Evelyn Vleck

**Academic Advisor:** Lisa Mathason

[www.temple.edu/biology](http://www.temple.edu/biology)

**CST Credit Requirements:**

-A minimum of **124** total credits

-A minimum of **45** Upper Level (UL) within CST/CLA (College of Science & Technology/ College of Liberal Arts)

-A minimum of **90** credits within CST/CLA

-A 3.0 grade point average is required to obtain a Pennsylvania teaching certificate

-The PRAXIS must be successfully completed in order to obtain a teaching certificate

*The B.S. with Teaching in Biology is a "TUteach" program. It provides broad training in Biology, and prepares students for a career in secondary school teaching.*

**Name:** \_\_\_\_\_ **TU ID:** \_\_\_\_\_ **Degree:** **BS**

## **Bachelor of Science**

### Recommended Sequence of Major Courses:

- |  |  |
|--|--|
| <input type="checkbox"/> Calculus I: Math 1041 _____                   | <input type="checkbox"/> Cell Structure and Function: Bio 3096 <sup>F</sup> _____    |
| <input type="checkbox"/> General Chemistry I: Chem 1031 _____          | <input type="checkbox"/> General Physics I: Physics 2021 <sup>F</sup> _____          |
| <input type="checkbox"/> General Chemistry Lab I: Chem 1033 _____      | <input type="checkbox"/> TUteach Perspectives on Science and Math: Philos 3xxx _____ |
| <input type="checkbox"/> TUteach Step 1: CST 1189 _____                | <input type="checkbox"/> Principles of Ecology: Bio 2227 <sup>S</sup> _____          |
| <input type="checkbox"/> Introduction to Biology: Bio 1111 _____       | <input type="checkbox"/> General Physics II: Physics 2022 <sup>S</sup> _____         |
| <input type="checkbox"/> Calculus II: Math 1042 _____                  | <input type="checkbox"/> TUteach Research Methods _____                              |
| <input type="checkbox"/> General Chemistry II: Chem 1032 _____         | <input type="checkbox"/> TUteach Language & Literacy in Math & Science _____         |
| <input type="checkbox"/> General Chemistry Lab II: Chem 1034 _____     | <input type="checkbox"/> Make an Appointment for a Graduation Review _____           |
| <input type="checkbox"/> TUteach Step 2: CST 1289 _____                |  |
| <br>   |  |
| <input type="checkbox"/> Introduction to Biology: Bio 2112 _____       | <input type="checkbox"/> Biology elective numbered above 2000* _____                 |
| <input type="checkbox"/> Organic Chemistry I: 2201 _____               | <input type="checkbox"/> Biology elective numbered above 2000* _____                 |
| <input type="checkbox"/> Organic Chemistry Lab I: 2203 _____           | <input type="checkbox"/> TUteach Project-Based Instruction: _____                    |
| <input type="checkbox"/> TUteach Knowing and Learning: Educ 2179 _____ | Math or Science Ed 4189 _____  |
| <input type="checkbox"/> Genetics: Bio 2296 <sup>S</sup> _____         | <input type="checkbox"/> Biology elective numbered above 2000* _____                 |
| <input type="checkbox"/> Organic Chemistry II: 2202 _____              | <input type="checkbox"/> TUteach Apprentice Teaching _____                           |
| <input type="checkbox"/> Organic Chemistry Lab II: 2204 _____          | <input type="checkbox"/> TUteach Apprentice Teaching Seminar _____                   |
| <input type="checkbox"/> TUteach Classroom Interactions: _____         |  |
| Math or Science Ed 2189 _____  |  |

**Math Placement Results:** Math 701 Math 702 Math 1021 Math 1022 Math 1041

**NOTES:**

<sup>F</sup> = Fall Only <sup>S</sup> = Spring Only

Students must check the pre- and co-requisites for all courses before registering.

\*See course descriptions for exceptions to Biology electives at <http://www.temple.edu/bulletin/ugradbulletin/ucd/ucdtoc.html>

\*\*Please refer to the bulletin for other elective options at [http://www.temple.edu/bulletin/Academic\\_programs/](http://www.temple.edu/bulletin/Academic_programs/)

**Suggested Courses:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Appt Date: \_\_/\_\_/\_\_ Time: \_\_: \_\_  
1810 Liacouras Walk, Suite 203

Revised Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

Revised Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

Revised Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

Revised on July 1, 2009

# University Requirements

Appropriate University Curriculum: Gen Ed Freshman Traditional Core Core 45+ Core-to-Core

## Gen Ed Curriculum

### Freshman or Transfers w/ fewer than 45 credits:

- Analytical Reading and Writing \_\_\_\_\_
- Mosaic I \_\_\_\_\_
- Mosaic II \_\_\_\_\_
- Quantitative Literacy \_\_\_\_\_
- Arts \_\_\_\_\_
- Human Behavior \_\_\_\_\_
- U.S. Society \_\_\_\_\_
- World Society \_\_\_\_\_
- Race and Diversity \_\_\_\_\_
- Science and Technology \_\_\_\_\_
- Science and Technology \_\_\_\_\_

### Bachelor of Arts (BA) Only

- 2<sup>nd</sup> level of a Language \_\_\_\_\_

**Note:** Gen Ed curriculum applies to all newly admitted freshman in Fall 2008 or after and for all transfer students admitted Fall 2010 and after.

## Core Curriculum

For students starting as freshman or transferring fewer than 45 credits.

### Traditional Core:

- English 802/812 \_\_\_\_\_
- American Culture \_\_\_\_\_
- Arts \_\_\_\_\_
- Individual and Society \_\_\_\_\_
- Studies in Race \_\_\_\_\_
- Foreign Language 2<sup>nd</sup> level\* \_\_\_\_\_
- Foreign Language 3<sup>rd</sup> level\* \_\_\_\_\_
- International Studies\* \_\_\_\_\_
- International Studies\* \_\_\_\_\_
- Science and Technology (SA) \_\_\_\_\_
- Science and Technology (SB/GS) \_\_\_\_\_
- Quantitative Reasoning (QA/GQ) \_\_\_\_\_
- Quantitative Reasoning (QB/GQ) \_\_\_\_\_
- Intellectual Heritage 0851 \_\_\_\_\_
- Intellectual Heritage 0852 \_\_\_\_\_
- Writing Intensive Elective \_\_\_\_\_
- Writing Intensive Elective \_\_\_\_\_
- Writing Intensive in Major \_\_\_\_\_

\*B.S.

2 International Studies (IS/GG) or  
2<sup>nd</sup> level of a language + 1 IS/GG or  
3<sup>rd</sup> level of a language or Exemption^

\*B.A.

2<sup>nd</sup> level of a language + 2 IS/GG or  
3<sup>rd</sup> level/ Exempt^ + 1 IS/GG

### English Placement Results:

English 701/711 English 802/812 Exempt

### Foreign Language Placement Results:

\_\_\_\_\_ 1001 1002 1003 Exempt

All transfer students are required to complete the **Library Skills Test (TILT)** online at [www.library.temple.edu](http://www.library.temple.edu).

Please consult with your assigned academic advisor if you have questions about the university curriculum you should be following.

The Undergraduate bulletin is the official source of University core or general education requirements at [www.temple.edu/bulletin](http://www.temple.edu/bulletin).

Revised Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

Revised Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

Revised Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

Revised Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

### Core 45+:

For students receiving 45 or more credits in transfer.

- English 802/812 \_\_\_\_\_
- American Culture \_\_\_\_\_
- Arts \_\_\_\_\_
- Individual and Society \_\_\_\_\_
- Studies in Race \_\_\_\_\_
- Science and Technology (SA or SB) \_\_\_\_\_
- Quantitative Reasoning (QA or QB) \_\_\_\_\_
- Intellectual Heritage 0851 or 0852 \_\_\_\_\_
- Writing Intensive Elective (Must be taken at Temple) \_\_\_\_\_
- Writing Intensive in Major (Must be taken at Temple) \_\_\_\_\_
- Foreign Language 2<sup>nd</sup> level\*\* \_\_\_\_\_
- Foreign Language 3<sup>rd</sup> level\*\* \_\_\_\_\_
- International Studies\*\* \_\_\_\_\_
- International Studies\*\* \_\_\_\_\_

} 2 of the 3

\*\*B.S.

1 International Studies (IS/GG) or  
2<sup>nd</sup> level of a language/Exempt^

\*\*B.A.

2<sup>nd</sup> level of a language + 2 IS/GG or  
3<sup>rd</sup> level/ Exempt^ + 1 IS/GG

For students who have completed an approved Associate's

### Core-to-Core: degree from a college that has an established transfer agreement.

- Writing Intensive Elective (Must be taken at Temple) \_\_\_\_\_
- Writing Intensive in Major (Must be taken at Temple) \_\_\_\_\_

**B.A.**—Must follow the traditional core foreign language/IS/GG requirements