

**TUteach**

# CHEMISTRY *with* TEACHING 2009-2010

Department of Chemistry  
201 Beury Hall  
(215) 204-7118

**Program Director:** Dr. David Dalton &  
Dr. James Byrnes

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

**Content Advisor:** Dr. Robert Stanley,  
Dr. Spiridoula Matsika, & Dr. David Dalton

**Academic Advisor:** Lisa Mathason

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

## 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 Chemistry is a "TUteach" program. It provides broad training in Chemistry, 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"/> Physical Chem Lecture I: Chem 3301 _____            |
| <input type="checkbox"/> General Chemistry I: Chem 1031 _____                | <input type="checkbox"/> Tech of Chem Measurement I: Chem 3196 _____         |
| <input type="checkbox"/> General Chemistry Lab I: Chem 1033 _____            | <input type="checkbox"/> Intro to Chem Research Tech: Chem 3105 _____        |
| <input type="checkbox"/> TUteach Step 1: CST 1189 _____                      | <input type="checkbox"/> TUteach Persp. on Science & Math: Phil 3XXX _____   |
| <input type="checkbox"/> Calculus II: Math 1042 _____                        | <input type="checkbox"/> Physical Chem Lecture II: Chem 3302 _____           |
| <input type="checkbox"/> General Chemistry II: Chem 1032 _____               | <input type="checkbox"/> TUteach Research Methods _____                      |
| <input type="checkbox"/> General Chemistry Lab II: Chem 1034 _____           | <input type="checkbox"/> TUteach Language & Literacy in Math & Science _____ |
| <input type="checkbox"/> TUteach Step 2: CST 1289 _____                      | <input type="checkbox"/> Make Appt. for a Graduation Review _____            |
| <br>   |  |
| <input type="checkbox"/> Calculus III: Math 2043 _____                       | <input type="checkbox"/> Inorganic Chemistry: Chem 4001 <sup>F</sup> _____   |
| <input type="checkbox"/> Organic Chemistry I: 2201 _____                     | <input type="checkbox"/> Techniques of Chem Measurement II: Chem 4196 _____  |
| <input type="checkbox"/> Organic Chemistry Lab I: 2203 _____                 | <i>or</i> <input type="checkbox"/> Physical Chem Lab: Chem 4396 _____        |
| <input type="checkbox"/> TUteach Knowing & Learning: Ed 2179 _____           | <input type="checkbox"/> TUteach Project-Based Instruction: _____            |
| <input type="checkbox"/> General Physics I: Physics 2021 <sup>F</sup> _____  | <input type="checkbox"/> Math or Sci Ed 4189 _____                           |
| <input type="checkbox"/> Organic Chemistry II: 2202 _____                    | <input type="checkbox"/> TUteach Apprentice Training _____                   |
| <input type="checkbox"/> Organic Chemistry Lab II: 2204 _____                | <input type="checkbox"/> TUteach Apprentice Teaching Seminar _____           |
| <input type="checkbox"/> General Physics II: Physics 2022 <sup>S</sup> _____ |  |
| <input type="checkbox"/> TUteach Classroom Interaction: _____                |  |
| Math or Sci Ed 2189 _____  |  |

**Math Placement Results:** Math 701 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.

\*Please refer to the bulletin for Advanced Chem & Science options and for information on ACS certification at [http://www.temple.edu/bulletin/Academic\\_programs/academic\\_programs.shtm](http://www.temple.edu/bulletin/Academic_programs/academic_programs.shtm)

The Undergraduate bulletin is the official source of major requirements at [www.temple.edu/bulletin](http://www.temple.edu/bulletin)

### **Suggested Courses:**

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

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

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

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

Revised on June 12, 2008

# 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: \_\_\_\_\_

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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\*\* \_\_\_\_\_

\*\* **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

### Core-to-Core:

For students who have completed an approved Associate's 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