**TUteach: Chemistry with Teaching 2015-2016**

**Department of Chemistry**  
255 Bio-Life Building  215-204-8851  
**Content Advisors:** Dr. Spiridoula Matsika (A-G), Dr. Robert Stanley (H-N) & Dr. Michael Zdilla (O-Z)  
**Program Director:** Dr. Susan Varnum  
**Master Teacher/Faculty Advisor:** Ms. Kathleen McKinley  
**Academic Advisor:** Kenneth Ruff  
[www.temple.edu/](http://www.temple.edu/)

**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 Chemistry provides broad training in Chemistry, 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.

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**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____

- □ Calculus II: Math 1042 or 1942H____
- □ General Physics I: Phys 1061 or 2021 or 2921FH__
- □ General Chemistry II: Chem 1032 or 1952SH____
- □ General Chem Lab II: Chem 1034 or 1954SH____
- □ TUteach Special Ed 2231____

- □ Schedule PAPA Exam
- □ Calculus III: Math 2043 or 2943H____
- □ General Physics II: Phys 1062 or 2022 or 2922SH___
- □ Organic Chemistry I: Chem 2201 or 2211 or 2921FH____
- □ Organic Chem Lab I: 2203 or 2213 or 2923FH____
- □ TUteach Knowing and Learning: Ed 2179____

- □ Organic Chemistry II: 2202 or 2212 or 2922SH____
- □ Organic Chem Lab II: 2204 or 2214 or 2924SH____
- □ TUteach Differentiated Literacy Instruction in the Disciplines, 7-12: Secondary Ed 3796____

**Placement: Math:**

**Notes:**

- □ Make an Appointment for Candidacy Review
- □ Physical Chem Lecture I: Chem 3301____
- □ Tech of Chem Measurement I: Chem 3103____
- □ Intro to Chem Research Tech: Chem 3105____

- □ TUteach Persp. on Science & Math: Phil 2196 OR The History of Science: SCTC 3001____

- □ Physical Chem Lecture II: Chem 3302____
- □ TUteach Classroom Interact: Sci Ed 2189S____
- □ TUteach Research Methods: Chem 3091S____

- □ Make an Appointment for a Graduation Review
- □ Inorganic Chemistry: Chem 3001____
- □ TUteach PBI: Science Ed 4189F____

- □ TUteach Apprentice Teaching: Ed 4388____
- □ TUteach Apprentice Teaching Sem: Ed 4802____

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**Suggested Courses:**

- ____________________
- ____________________
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- ____________________

**Notes:**

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**Office Use Only:** CR Path_________  Test Codes Added/Removed________________________
# University Requirements 2015-2016

## 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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<tbody>
<tr>
<td>□ Analytical Reading &amp; Writing: Eng 0802</td>
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<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>□ Diversity and Race (GD)</td>
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<td>□ Global/World Society (GG)</td>
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<td>□ Quantitative Literacy (GQ)**</td>
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<td>□ Science and Technology (GS)**</td>
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** 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 online:

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

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.