Chemistry with Teaching 2012-2013

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

Program Directors:
Dr. Tom Walker & Dr. Doug Baird

Master Teacher/Faculty Advisor:
Dr. Herbert Green

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

Academic Advisor: Lisa Mathason

www.temple.edu/chemistry

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 1/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.

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 _____
- TTeach Step 1: CST 1189 _____
- Calculus II: Math 1042 _____
- General Chemistry II: Chem 1032 _____
- General Chemistry Lab II: Chem 1034 _____
- TTeach Step 2: CST 1289 _____

- Schedule PAPA Exam
- Calculus III: Math 2043_____
- Organic Chemistry I: 2201_____
- Organic Chemistry Lab I: 2203_____
- TTeach Knowing and Learning: Ed 2179 _____
- TTeach Recommended: Special Ed 2231 _____
- General Physics I: Physics 1061 or 2021 _____
- Organic Chemistry II: 2202_____
- Organic Chemistry Lab II: 2204_____ 
- General Physics II: Physics 1062 or 2022____
- TTeach Classrm Interact: Math or Sci Ed 21895_____ 

- 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____
- TTeach Persp. on Science & Math: Phil 2196F _____
- Physical Chem Lecture II: Chem 3302_____
- TTeach Research Methods: Chem 30915_____ 
- TTeach Differentiated Literacy Instruction in the Disciplines, 7-12: Secondary Ed 3796_____ 

- Make an Appointment for a Graduation Review
- Inorganic Chemistry: Chem 3001F ____
- Tech of Chem Measurement II: Chem 4196 or Physical Chem Lab I and II: Chem 3397 and Chem 3398______
- TTeach Project-Based Instruction: Math or Science Ed 4189F _____
- TTeach Apprentice Teaching: Ed 4388 ________
- TTeach Apprentice Teaching Sem: Ed 4802______

Placement: Math: English: FL:

Suggested Courses:
- ______________________
- ______________________
- ______________________
- ______________________

Notes:
F=Fall Only S=Spring Only

Please check all pre- and co-requisites for courses before registering.

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

Notes:
### University Requirements 2012-2013

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<th>Appropriate University Curriculum:</th>
<th>Gen Ed Traditional</th>
<th>Gen Ed 45+</th>
<th>Gen Ed-to-Gen Ed</th>
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<tr>
<td><strong>Gen Ed Traditional:</strong></td>
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<td>□ Analytical Reading &amp; Writing:</td>
<td>Eng 0802</td>
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<td>□ Mosaic I: Intel Heritage 0851</td>
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<td>□ Mosaic II: Intel Heritage 0852</td>
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<td>□ US Society</td>
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**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 0851 or 0852
□ US Society
□ Human Behavior
□ Arts
□ Diversity and Race
□ Global/World Society
□ Quantitative Literacy
□ Science and Technology
□ Science and Technology
*2 of the 3

** 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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**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.