**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:**  
Mr. George Mehler  
**Academic Advisor:** Kenneth Ruff  
www.temple.edu/chemistry

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**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.

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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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**Name:**

**TUID:**

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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 _____
- □ Physics I: Phys 1061 or 1961H 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 _____
- □ Physics II: Phys 1062 or 1962H or 2022 or 2922SH _____
- □ Organic Chemistry I: 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 _____
- □ 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 _____
- □ Inorganic Chemistry: Chem 3001 _____
- □ Physical Chem Lecture II: Chem 3302 _____
- □ TUteach Classrm Interact: SCES 2189S OR Science & Mathematics in the Classroom SCTC 3485 _____
- □ TUteach Research Methods: Chem 3091S _____
- □ Make an Appointment for a Graduation Review
- □ TUteach Project-Based Instruction: SCES 4189F OR Integrating STEM Practice SCTC 4485 _____
- □ TUteach Apprentice Teaching: Ed 4388 _____
- □ TUteach Apprentice Teaching Sem: Ed 4802 _____

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**Placement: Math:**

**English:**

**FL:**

**Suggested Courses:**

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**Notes:**

**Office Use Only:** CR Path__________
# University Requirements 2016-2017

## Appropriate University Curriculum:
- Gen Ed Traditional
- Gen Ed 45+
- Gen Ed-to-Gen Ed

### 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)**

** 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-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:
- [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.

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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.