

# Bachelor of Arts Degree Chemistry Major 2005-2006

## Department of Chemistry

201 Beury Hall  
(215) 204-7118

**Acting Chairperson:** Dr. Robert Levis  
**Faculty Advisor:** Dr. Donald Titus

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

- 123 credits, 90 of which must be in CST/CLA courses
- 45 credits must be upper level (UL) coursework in either CST/CLA or UL course(s) that can be credited towards the major or declared 2nd major/minor chosen in consultation with an advisor.
- Appropriate Core Curriculum requirements:
  - Traditional  Core 45  Core to Core
- Minimum of 2 courses numbered 100 or above in the College of Liberal Arts (CLA)  \_\_\_\_\_  \_\_\_\_\_
- The following requirements for the Chemistry Major:

**Math Sequence:** 0045 > C073 > C074 > C085 > 0086

### First Year

- Calculus I (Math C085 or H095) ♦
- Calculus II (Math 0086 or H096) ♦
- General Chemistry I with Lab (C071/73 or C081/83) ♦
- General Chemistry II with Lab (C072/74 or C082/84) ♦

### Second Year

- Organic Chemistry I with Lab (0121/3 or 0181/3) ♦
- Organic Chemistry II with Lab (0122/4 or 0182/4) ♦
- General [or Elementary Classical] Physics I (Physics 0121 [or C087]) ♦
- General [or Elementary Classical] Physics II (Physics 0122 [or C088]) ♦
- Intro to Chemical Research Techniques (Chem 0129) ♦
- Calc III (Math 0127) or Computer Programming in C (CIS C071) ♦

### Third Year

- Physical Chemistry Lecture I (Chem 0231) ♦
- Techniques of Chemical Measurement I (Chem 0213) ♦
- Physical Chemistry Lecture II (Chem 0232) ♦

### Fourth Year

- Writing Capstone Course (Chem W237 or W314) ♦  
Chem W237 can also count as an Advanced Science.  
Chem W314 can also count as an Advanced Science or Advanced Chem.
- Advanced Chemistry Course (0301 or higher) ♦
- Advanced Science Course ♦ (Chem 0283 or 0293 (only one of these may count as an advanced science) 0301 or higher, or choose from: **Bio** 0203, W204, 0234, 0265 and above; **Physics** 0183, 0184, 0187, 0188, 0201, 0202, 0211, 0221, 0231 and above; **Geology** 0200 and above; **Math** 0147, W205, 0233, 0247 and above).

♦Courses have pre- and/or co-requisites, consult course descriptions for details.

## Traditional Core

For students starting as freshmen at Temple or transferring with fewer than 45 credits

- English C050 \_\_\_\_\_
- American Culture \_\_\_\_\_
- The 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 (non western) \* \_\_\_\_\_
- Science and Technology (SA) \_\_\_\_\_
- Science and Technology (SB) \_\_\_\_\_
- Quantitative Reasoning (QA) \_\_\_\_\_
- Quantitative Reasoning (QB) \_\_\_\_\_
- Intellectual Heritage X051 \_\_\_\_\_
- Intellectual Heritage X052 \_\_\_\_\_
- Writing Intensive Elective \_\_\_\_\_
- Writing Intensive Elective (Must be taken at Temple) \_\_\_\_\_
- Writing Intensive in Major (Must be taken at Temple) \_\_\_\_\_

### \* B.A.

- 2<sup>nd</sup> level of a language + 2 IS (1 non western) or
- 3<sup>rd</sup> level/ Exempt<sup>^</sup> + 1 IS

## Core 45 +

For students receiving 45 credits or more in transfer

- English C050 \_\_\_\_\_
  - American Culture \_\_\_\_\_
  - The Arts \_\_\_\_\_
  - Individual and Society \_\_\_\_\_
  - Studies in Race \_\_\_\_\_
  - Science and Technology (SA or SB) \_\_\_\_\_
  - Quantitative Reasoning (QA or QB) \_\_\_\_\_
  - Intellectual Heritage X051 or X052 \_\_\_\_\_
  - Writing Intensive Elective (Must be taken at Temple) \_\_\_\_\_
  - Writing Intensive in Major (Must be taken at Temple) \_\_\_\_\_
  - Foreign Language \_\_\_\_\_
  - International Studies \_\_\_\_\_
  - International Studies (non western) \_\_\_\_\_
- \* B.A.
- 2<sup>nd</sup> level of a language + 2 IS (1 non western) or
  - 3<sup>rd</sup> level/ Exempt<sup>^</sup> + 1 IS

## Core to Core

B.A. follow traditional core foreign language/IS requirement

For students who have completed an approved Associate's degree from a college that has an established transfer agreement with Temple.

- Writing Intensive Elective (Must be taken at Temple) \_\_\_\_\_
- Writing Intensive in Major (Must be taken at Temple) \_\_\_\_\_
- Library Skills (TILT) [www.library.temple.edu](http://www.library.temple.edu)  
(Must be taken in order to graduate)

<sup>^</sup>If English is your second language, speak with an advisor about possible exemption.  
Revised 6/23/05