

Bachelor of Science Degree - Chemistry Major 2003-04

Department of Chemistry

201 Beury Hall
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Chairperson: Dr. Allen Nicholson
Faculty Advisors: Dr. Donald Titus

www.chem.temple.edu

- 123 credits, 90 of which must be in CST/CLA courses
- 45 credits must be upper level coursework in CST/CLA
- Appropriate Core Curriculum requirements:
 - Traditional Core 45 Core to Core
- The following requirements for the Chemistry Major:

[Math Sequence: 0015 > 0045 > C073 > C074 > C085 > 0086]

First Year

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

Second Year

- Organic Chemistry I with Lab (121/3 or 181/3)
- Organic Chemistry II with Lab (122/4 or 182/4)
- Calc III (Math 127) or Computer Programming in C (CIS C071)
- General [or Elementary Classical] Physics I (Physics 121 [or 87])
- General [or Elementary Classical] Physics II (Physics 122 [or 88])
- Intro to Chemistry Research Techniques (Chem 129)

Third Year

- Physical Chemistry Lecture I (Chem 231)
- Techniques of Chemical Measurement I (Chem 213)
- Physical Chemistry Lecture II (Chem 232)
- Physical Chemistry Laboratory (Chem W237)*

Fourth Year

- Inorganic Chemistry (Chem 301)
- Techniques of Chemical Measurement II (Chem W314)*
- Advanced Chemistry Course (any numbered 305 or +)**
- Advanced Chemistry Course (any numbered 305 or +)**
- Advanced Science Course (see below)
- Advanced Science Course (Chem 283 or 293 (only one of these may count as an advanced science) 301 or higher, or choose from:
Bio 203, W204, 220, 234, 265 and above; **Physics** 183, 184, 187, 188, 201, 202, 211, 221, 231 and above; **Geology** 200 and above; **Math** 147, W205, 233, 247 and above).

*Either Chemistry W237 or W314 must be taken at Temple to complete the writing requirement.

**For the BS degree to be ACS certified, you must take Chem 371 plus at least 3 of the following: Chem 293, 307, 308, 313, 327, 328. Math 127 is also required for ACS certification.

Traditional Core

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

- English 50 _____
- American Culture _____
- The Arts _____
- Individual and Society _____
- Studies in Race _____
- Foreign Language 2nd level* _____
- Foreign Language 3rd level* _____
- International Studies* _____
- International Studies (non western)* _____
- Science and Technology Level 1 _____
- Science and Technology Level 2 _____
- Quantitative Reasoning Level 1 _____
- Quantitative Reasoning Level 2 _____
- 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.S.

- 2 International Studies (IS) or
- 2nd level of a language + 1 IS or
- 3rd level of a language /Exempt^

Core 45 +

For students receiving 45 credits or more in transfer

- English 50 _____
- American Culture _____
- The Arts _____
- Individual and Society _____
- Studies in Race _____
- Science and Technology Level _____
- Quantitative Reasoning Level _____
- 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* _____

•B.S.

- 1 International Studies (IS) or
- 2nd level of a language/Exempt^

Core to Core

For students who have completed an 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) _____

^If English is your second language, speak with an advisor about possible exemption.