

Bachelor of Science Degree Biochemistry Major 2006-2007

Department of Biology

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Chairperson: Dr. Shohreh Amini
Faculty Advisor: Dr. Frank Chang
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Department of Chemistry

201 Beury Hall
(215) 204-7118

Chairperson: Dr. Robert Levis
Faculty Advisor: Dr. Robert Stanley
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- 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 CST major or declared CST 2nd major/minor requirement(s).
- Appropriate Core Curriculum requirements:
 - Traditional Core 45 + Core to Core
- A recommended sequence of courses for the major is listed below:

Students must check the pre- and/or co-requisites before registering for courses.

First Year

- Calculus I (Math C085, or H095)
- Calculus II (Math 0086, or H096)
- General Chemistry I w/ Lab (Chem C071/73 or equiv.)
- General Chemistry II w/ Lab (Chem C072/74 or equiv.)

Second Year

- Intro to Biology (Bio 0102 or H102) *Formerly Bio 0103*
- Organic Chemistry I with Lab (0121/3 or equiv.)
- Organic Chemistry II with Lab (0122/4 or equiv.)
- General Physics I (Physics 0121 [or C087])
- General Physics II (Physics 0122 [or C088])

Third Year

- Cell Structure and Function (Bio W204)
- Intro to Chemical Research Techniques (Chem 0215)
- Physical Chem Lecture I (Chem 0231)
- Biochemistry I (Chem 0371)
- Genetics (Bio 0203)
- Calculus III (Math 0127)

[A third biochemistry elective can be substituted for Calculus III]

Fourth Year

- Biochemistry II (Bio 0376 or Chem 0372)
- Molecular Biology (Bio 0324)
- Research Techniques in Biochemistry (Bio 0344)
- Biochemistry Elective (choose from list below) _____
- Biochemistry Elective (choose from list below) _____

Biochemistry electives: Bio 0234, 0265, 0317, 0320, 0325, 0327, 0328, 0330, 0352, 0363, 0367, 0370, 0371, 0374, 0385, Chem W314, 0232, 0301, 0321, 0374, Math 0127 or consult a Biochemistry advisor.

Traditional Core

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

- English C050 _____
- 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 (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.S.

- 2 International Studies (IS) 1 non western 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 C050 _____
 - American Culture _____
 - The Arts _____
 - Individual and Society _____
- } 2 of the 3
- 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* _____

*B.S.

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

Core to Core

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
(Must be taken in order to graduate)

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