

Bachelor of Science Degree Biology Major 2005-2006

Department of Biology
255 Biology Life Sciences Building
 (215) 204-8851

Chairperson: Dr. Shohreh Amini
Faculty Advisor: Dr. Shepherd Roberts
www.temple.edu/biology

- 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

- The following requirements for the Biology 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 (Chem C071/C073 or equiv.) *
- General Chemistry II with Lab (Chem C072/C074 or equiv.) *
- Introduction to Biology [for Majors] (Bio 0101 or Bio H101)

[prereq Chem C071 or equiv.; co-req Chem C072] Formerly Bio 0104

Second Year

- Introduction to Biology [for Majors] (Bio 0102 or Bio H102)
- [prereqs Chem C071, Chem C072, or equiv.; co-req Chem 0121 or equiv.] 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) *
 - General Physics II (Physics 0122) *
 - Genetics (Bio 0203) *

Third Year

- Cell Structure and Function (Bio W204) *
- *This is the Writing Intensive course for Biology majors.*
- Principles of Ecology (Bio 0227) *
 - Elective in Biology numbered above 0204 *

Fourth Year

- Elective in Biology numbered above 0204 *
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** Up to 2 Biology electives can be replaced by: Anthro 0164; Chem 0231, 0232; EE 0154; EET 0104; Math 0127; Physics 0161, 0221; Stat 0403.

*** Bio 0292 will not count as an elective in Biology numbered above 0204.

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

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.
 Revised 6/23/05