

# Bachelor of Science Degree - Biology Major 2003-04

**Department of Biology**  
**255 Biology Life Sciences Building**  
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**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 coursework in CST/CLA
- Appropriate Core Curriculum requirements:
  - Traditional  Core 45  Core to Core
- The following requirements for the Biology Major:

[Math Sequence: 0015 > 0045 > C073 > C074 > C075 or C085 > 0076 or 0086]

## First Year

- Calculus I (Math C075, C085, or H095)
- Calculus II (Math 0076, 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 101)  
*[prereq Chem C071 or equiv.] formerly Bio 104*

## Second Year

- Introduction to Biology [for Majors] (Bio 102)  
*[prereqs Chem C071, Chem C072, or equiv.; co-req Chem 121 or equiv.] formerly Bio 103*
- Organic Chemistry I with Lab (121/3 or equiv.)  
*[prereqs Chem C072, C082 or H092]*
- Organic Chemistry II with Lab (122/4 or equiv.)  
*[prereqs Chem 121, 181, or H092]*
- Genetics (Bio 203)

## Third Year

- Cell Structure and Function (Bio W204) \*
- General Physics I (Physics 121)
- General Physics II (Physics 122)
- Elective in Biology numbered above 204
- Elective in Biology numbered above 204

\* This is the Writing Intensive course for Biology majors.

## Fourth Year

- Elective in Biology numbered above 204
- Elective in Biology numbered above 204
- Elective in Biology numbered above 204
- Elective in Biology numbered above 204\*\*
- Elective in Biology numbered above 204\*\*

\*\* Up to 2 Biology electives can be replaced by Chem 231, 232, EET 104, 176 Physics 161, 221, Math 127, Stat 403

## Traditional Core

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

- English 50 \_\_\_\_\_
- 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 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
- 2<sup>nd</sup> level of a language + 1 IS or
- 3<sup>rd</sup> 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 \_\_\_\_\_
  - Foreign Language\* \_\_\_\_\_
  - International Studies\* \_\_\_\_\_
  - Writing Intensive Elective (Must be taken at Temple) \_\_\_\_\_
  - Writing Intensive in Major (Must be taken at Temple) \_\_\_\_\_
- } 2 of the 3

## •B.S.

- 1 International Studies (IS) or
- 2<sup>nd</sup> 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.