

# Bachelor of Science Degree - Geology Major 2003-04

## Department of Geology

303 Beury Hall  
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**Chairperson:** George Myer  
**Faculty Advisor:** Dr. Jonathan Nyquist  
[www.temple.edu/geology](http://www.temple.edu/geology)

- **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 Geology Major:

[Math Sequence: 15 > 45 > C073 > C074 > C075 or 85 > 0076 or 86]

### First & Second Year

(Note: Many students start the major after their 1<sup>st</sup> or 2<sup>nd</sup> year, in which case these courses are taken later in their programs.)

- Calculus I (Math C075, C085, or H095)
- Calculus II (Math 0076, 0086, or H096)
- Intro to Chem I with Lab (Chem C071/73 or equiv.)
- Intro to Chem II with Lab (Chem C072/74 or equiv.)
- General [or Elementary Classical] Physics I (121 [or 87])
- General [or Elementary Classical] Physics II (122 [or 88])
- Introduction to Geology (Geology C050)

### Third Year

- Mineralogy I (Geo 201)
- Intro to Geochemistry (Geo 261)
- Facies Models (Geo 211)
- Paleontology and Stratigraphy (Geo 212)

### Summer

- Field Geology (Geo 352) chosen with an advisor

### Fourth Year

- Structural Geology (Geo W302) (Must be taken at Temple)
- Igneous and Metamorphic Petrology (Geo 301)
- Intro to Hydrology (Geo 210) or elective\*
- Microcomputers in Geology (Geo 310) or elective\*
- Upper Level Science or Math\* \_\_\_\_\_
- Upper Level Science or Math\* (non-Geology) \_\_\_\_\_

\*Of the three upper level Science/ Math electives required at least one must be in a discipline other than Geology. One may be from the graduate level with the permission of the instructor. Check the Course Description Guide for the prerequisite structure in each department.

## Traditional Core

For students starting as freshman 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 \_\_\_\_\_ } 2 of the 3
- 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
- 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.