

# Bachelor of Science Degree Geology Major 2005-2006

## Department of Geology

303 Beury Hall  
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**Chairperson:** Dr. David Grandstaff  
**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 (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 Geology Major:

*Math Sequence: 0045 > C073 > C074 > C085 > 0086*

### 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 C085 or H095)
- Calculus II (Math 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 (0121 [or C087])
- General [or Elementary Classical] Physics II (0122 [or C088])
- Introduction to Geology (Geology C050)

### Third Year

- Mineralogy I (Geo 0201)
- Intro to Geochemistry (Geo 0261)
- Facies Models (Geo 0211)
- Paleontology and Stratigraphy (Geo 0212)

### Summer

- Field Geology (Geo 0352) chosen with an advisor

### Fourth Year

- Structural Geology (Geo W302) *(Must be taken at Temple)*
- Igneous and Metamorphic Petrology (Geo 0301)
- Intro to Hydrology (Geo 0210) or elective\*
- Microcomputers in Geology (Geo 0310) or elective\*
- Upper Level Science or Math\* \_\_\_\_\_

\*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 C050 \_\_\_\_\_
- 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 (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
- 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 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
- 2<sup>nd</sup> 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](http://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 7/7/05