

**TUteach**

# EARTH & SPACE SCIENCE *with* TEACHING

**2009-2010**

**Department of Earth & Environmental Science**

**326 Beury Hall**

(215) 204-7172

**Contact Person:** Dr. David Dalton &

Dr. James Byrnes

**Master Teacher/Faculty Advisor:** Dr. Herbert Green

**Content Advisor:** Dr. Dennis Terry

**Academic Advisor:** Lisa Mathason

[www.temple.edu/geology](http://www.temple.edu/geology)

**CST Credit Requirements:**

-A minimum of **124** total credits

-A minimum of **45** Upper Level (UL) within  
CST/CLA (College of Science & Technology/  
College of Liberal Arts)

-A minimum of **90** credits within CST/CLA

-A 3.0 grade point average is required to obtain a  
Pennsylvania teaching certificate

-The PRAXIS must be successfully completed in order to  
obtain a teaching certificate

*The B.S. with Teaching in Earth & Space Science is a "TUteach" program. It provides broad training in Earth & Science, and prepares students for a career in secondary school teaching.*

**Name:** \_\_\_\_\_ **TU ID:** \_\_\_\_\_ **Degree:** **BS**

## **Bachelor of Science**

### Recommended Sequence of Major Courses

- |   |  |
|---|--|
| <input type="checkbox"/> Calculus I: Math 1041 _____                        | <input type="checkbox"/> Geology Elective: EES 2000+* _____                  |
| <input type="checkbox"/> Physical Geology: Geology 2001 _____               | <input type="checkbox"/> Science Foundation Elective** _____                 |
| <input type="checkbox"/> TUteach Step 1: CST 1189 _____                     | <input type="checkbox"/> TUteach Perspectives on Sci & Math: Phil 3XXX _____ |
| <input type="checkbox"/> General Chemistry I: Chem 1031 _____               | <input type="checkbox"/> Geology Elective: EES 2000+* _____                  |
| <input type="checkbox"/> General Chemistry Lab I: Chem 1033 _____           | <input type="checkbox"/> Geology Elective: EES 2000+* _____                  |
| <input type="checkbox"/> TUteach Step 2: CST 1289 _____                     | <input type="checkbox"/> TUteach Research Methods _____                      |
|   | <input type="checkbox"/> TUteach Lang & Literacy in Math & Science _____     |
|   | <input type="checkbox"/> Make an Appt. for a Graduation Review _____         |
| <input type="checkbox"/> Mineralogy: Geology 2011 <sup>F</sup> _____        | <input type="checkbox"/> Geology Elective: EES 2000+* _____                  |
| <input type="checkbox"/> Elementary Classical Physics I: Physics 1061 _____ | <input type="checkbox"/> Geology Elective: EES 2000+* _____                  |
| <input type="checkbox"/> TUteach Knowing and Learning: Educ 2179 _____      | <input type="checkbox"/> TUteach Project-Based Instruction: _____            |
| <input type="checkbox"/> Climate Change: Oceans to Atmosphere: _____        | <input type="checkbox"/> Math or Sci Ed 4189 _____                           |
| <input type="checkbox"/> Science Foundation Elective** _____                | <input type="checkbox"/> TUteach Apprentice Teaching _____                   |
| <input type="checkbox"/> TUteach Classroom Interactions: _____              | <input type="checkbox"/> TUteach Apprentice Teaching Seminar _____           |
| <input type="checkbox"/> Math or Sci Ed 2189 _____                          |  |
| <input type="checkbox"/> Universe as We Know It: Physics 846 _____          |  |

**Math Placement Results:** Math 701 Math 1021 Math 1022 Math 1041

**NOTES:**

F = Fall Only S = Spring Only

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

\*\*Please refer to the bulletin for Science Foundation Elective and Science Upper Elective options at [http://www.temple.edu/bulletin/Academic\\_programs/academic\\_programs.shtm](http://www.temple.edu/bulletin/Academic_programs/academic_programs.shtm)

\*Geology electives must be above 2000 and at least two must be writing intensive.

The Undergraduate bulletin is the official source of major requirements at [www.temple.edu/bulletin](http://www.temple.edu/bulletin)

**Suggested Courses:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Appt Date: \_\_/\_\_/\_\_ Time: \_\_: \_\_  
1810 Liacouras Walk, Suite 203

Revised Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

Revised Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

Revised Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

Revised on March 30, 2009

# University Requirements

Appropriate University Curriculum: Gen Ed Freshman Traditional Core Core 45+ Core-to-Core

## Gen Ed Curriculum

### Freshman or Transfers w/ fewer than 45 credits:

- Analytical Reading and Writing \_\_\_\_\_
- Mosaic I \_\_\_\_\_
- Mosaic II \_\_\_\_\_
- Quantitative Literacy \_\_\_\_\_
- Arts \_\_\_\_\_
- Human Behavior \_\_\_\_\_
- U.S. Society \_\_\_\_\_
- World Society \_\_\_\_\_
- Race and Diversity \_\_\_\_\_
- Science and Technology \_\_\_\_\_
- Science and Technology \_\_\_\_\_

### Bachelor of Arts (BA) Only

- 2<sup>nd</sup> level of a Language \_\_\_\_\_

**Note:** Gen Ed curriculum applies to all newly admitted freshman in Fall 2008 or after and for all transfer students admitted Fall 2010 and after.

## Core Curriculum

For students starting as freshman or transferring fewer than 45 credits.

### Traditional Core:

- English 802/812 \_\_\_\_\_
- American Culture \_\_\_\_\_
- 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\* \_\_\_\_\_
- Science and Technology (SA) \_\_\_\_\_
- Science and Technology (SB/GS) \_\_\_\_\_
- Quantitative Reasoning (QA/GQ) \_\_\_\_\_
- Quantitative Reasoning (QB/GQ) \_\_\_\_\_
- Intellectual Heritage 0851 \_\_\_\_\_
- Intellectual Heritage 0852 \_\_\_\_\_
- Writing Intensive Elective \_\_\_\_\_
- Writing Intensive Elective \_\_\_\_\_
- Writing Intensive in Major \_\_\_\_\_

\* **B.S.**

2 International Studies (IS/GG) or  
2<sup>nd</sup> level of a language + 1 IS/GG or  
3<sup>rd</sup> level of a language or Exemption^

\* **B.A.**

2<sup>nd</sup> level of a language + 2 IS/GG or  
3<sup>rd</sup> level/ Exempt^ + 1 IS/GG

### English Placement Results:

English 701/711 English 802/812 Exempt

### Foreign Language Placement Results:

\_\_\_\_\_ 1001 1002 1003 Exempt

All transfer students are required to complete the **Library Skills Test (TILT)** online at [www.library.temple.edu](http://www.library.temple.edu).

Please consult with your assigned academic advisor if you have questions about the university curriculum you should be following.

The Undergraduate bulletin is the official source of University core or general education requirements at [www.temple.edu/bulletin](http://www.temple.edu/bulletin).

Revised Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

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Advisor Initials: \_\_\_\_\_

Revised Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

### Core 45+:

For students receiving 45 or more credits in transfer.

- English 802/812 \_\_\_\_\_
- American Culture \_\_\_\_\_
- Arts \_\_\_\_\_
- Individual and Society \_\_\_\_\_
- Studies in Race \_\_\_\_\_
- Science and Technology (SA or SB) \_\_\_\_\_
- Quantitative Reasoning (QA or QB) \_\_\_\_\_
- Intellectual Heritage 0851 or 0852 \_\_\_\_\_
- Writing Intensive Elective (Must be taken at Temple) \_\_\_\_\_
- Writing Intensive in Major (Must be taken at Temple) \_\_\_\_\_
- Foreign Language 2<sup>nd</sup> level\*\* \_\_\_\_\_
- Foreign Language 3<sup>rd</sup> level\*\* \_\_\_\_\_
- International Studies\*\* \_\_\_\_\_
- International Studies\*\* \_\_\_\_\_

\*\* **B.S.**

1 International Studies (IS/GG) or  
2<sup>nd</sup> level of a language/Exempt^

\*\* **B.A.**

2<sup>nd</sup> level of a language + 2 IS/GG or  
3<sup>rd</sup> level/ Exempt^ + 1 IS/GG

### Core-to-Core:

For students who have completed an approved Associate's degree from a college that has an established transfer agreement.

- Writing Intensive Elective (Must be taken at Temple) \_\_\_\_\_
  - Writing Intensive in Major (Must be taken at Temple) \_\_\_\_\_
- B.A.**—Must follow the traditional core foreign language/IS/GG requirements