Dept of Earth & Environmental Science  
326 Beury Hall (215) 204-7172  
Program Directors:  
Dr. Tom Walker & Dr. Doug Baird  
Master Teacher/Faculty Advisor: Dr. Herbert Green  
Content Advisor: Dr. Allison Tumarkin-Deratzian  
Academic Advisor: Lisa Mathason  
www.temple.edu/geology

CST Credit Requirements:  
124 minimum total credits  
90 minimum CST/CLA credits  
45 minimum upper-level (2000+) CST/CLA credits  
Backtracking rule: Credit for courses 2 or more levels below previously completed coursework cannot be used towards the degree.

Admission to candidacy is required to complete this degree. This includes, but is not limited to, a 3.0 minimum GPA and a passing score in the PRAXIS 1/PAPA Teacher Certification Exam.

The B.S. with Teaching in Earth & Space Science provides broad training in Earth & Space Science, and prepares students for a career in secondary school teaching. Please note: PA Certification requires passing scores in the PRAXIS I/PAPA and PRAXIS II Teacher Certification Exams.

Name:  
TUID:  

Recommended Sequence of Major Courses for Bachelor of Science:

☐ Calculus I: Math 1041 ______
☐ Physical Geology: EES 2001 ______
☐ TUteach Step 1: CST 1189 ______
☐ General Chemistry I: Chem 1031 ______
☐ General Chemistry Lab I: Chem 1033 ______
☐ TUteach Step 2: CST 1289 ______

☐ Schedule PAPA Exam
☐ Mineralogy: EES 2011F ______
☐ Elementary Classical Physics I: Physics 1061 ______
☐ TUteach Knowing and Learning: Ed 2179 ______
☐ TUteach Recommended: Special Ed 2231 ______
☐ Climate Change: Oceans to Atmosphere: EES 2096F ______

☐ Science Foundation Elective* ______
☐ TUteach Classrm Interact: Math or Sci Ed 2189S ______
☐ Introduction to Astronomy: Physics 1004 ______

☐ Make an Appointment for Candidacy Review
☐ Geology Elective: EES 2002+++ ______
☐ Science Foundation Elective* ______
☐ TUteach Persp. on Science & Math: Phil 2196F ______
☐ Geology Elective: EES 2002+++ ______
☐ Geology Elective: EES 2002+++ ______
☐ TUteach Research Methods: EES 3091S ______
☐ TUteach Differentiated Literacy Instruction in the Disciplines, 7-12: Secondary Ed 3796 ______
☐ Make an Appointment for a Graduation Review

☐ Geology Elective: EES 2002+++ ______
☐ Geology Elective: EES 2002+++ ______
☐ TUteach Project-Based Instruction: Math or Science Ed 4189F ______
☐ TUteach Apprentice Teaching: Ed 4388 ______
☐ TUteach Apprentice Teaching Sem: Ed 4802 ______

Placement: Math:  
English:  
FL:  

Suggested Courses:  

Notes:  
F= Fall Only  S= Spring Only  = Every Other Year  
Please check all pre- and co-requisites for courses before registering.  
* Refer to the Undergraduate Bulletin for Science Foundation Elective options.  
** Geology Electives must be EES courses numbered 2002 or higher. This major requires two WI courses that must be completed at Temple.  
The Undergraduate Bulletin is the official source for major requirements: www.temple.edu/bulletin.

Notes:
### Gen Ed Traditional:
- □ Analytical Reading & Writing: Eng 0802_______
- □ Mosaic I: Intel Heritage 0851 ____________
- □ Mosaic II: Intel Heritage 0852_____________
- □ US Society ______________
- □ Human Behavior ______________
- □ Arts ______________
- □ Diversity and Race ______________
- □ Global/World Society _____________
- □ Quantitative Literacy * _____________
- □ Science and Technology * ____________
- □ Science and Technology * ____________
* May be waived based on major courses

### Bachelor of Arts (BA) Only
- □ 2nd level of a Language ____________

### Gen Ed 45+ (45 or more transfer credits):
- □ Analytical Reading & Writing: Eng 0802_______
- □ Mosaic I or II: Intel Heritage 0851 or 0852 _____
- □ US Society *____________
- □ Human Behavior *__________    *2 of the 3
- □ Arts *____________________
- □ Diversity and Race ______________
- □ Global/World Society _____________
- □ Quantitative Literacy ** ___________
- □ Science and Technology ** __________
** May be waived based on major courses

### Bachelor of Arts (BA) Only
- □ 2nd level of a Language ____________

### Gen Ed-to-Gen Ed:
Transfer students with a pre-approved Associate’s degree from an institution that has an established transfer agreement with Temple have satisfied their GenEd requirements, with the following exception for BA students:

**Bachelor of Arts (BA) Only**
- □ 2nd level of a Language ____________

### Gen Ed online:
- www.temple.edu/gened
- www.temple.edu/vpus/transfer/TransferGenEd.htm

### University Core:
Students who were admitted as freshmen prior to fall 2008, or were admitted as transfers prior to fall 2010, follow the University Core curriculum instead of the Gen Ed curriculum.

### Undergraduate Bulletin:
The Undergraduate Bulletin is the official reference for University Requirements at: www.temple.edu/bulletin.

### Note:
No more than two courses from the same department may be used to satisfy GenEd requirements. GenEd courses may not be used to satisfy major requirements.

- Date: __________  Date: __________
- Advisor: __________  Advisor: __________
- Student: __________  Student: __________
- Date: __________  Date: __________
- Advisor: __________  Advisor: __________
- Student: __________  Student: __________

**Note:** Students must complete at least 2 Writing-Intensive (WI) courses within the major, to be taken at Temple. These must be specific courses or course combinations within the major, or electives required for the major. These courses must be taken at Temple University. Writing-Intensive courses are numbered XX96, XX97, or XX98.