TUteach:
Earth & Space Science with Teaching 2016-2017

Dept of Earth & Environmental Science
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Content Advisor: Dr. Allison Tumarkin-Deratzian
Program Director: Dr. Susan Varnum
Master Teacher/Faculty Advisor: Mr. George Mehler
Academic Advisor: Kenneth Ruff
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 1/PAPA and PRAXIS II Teacher Certification Exams.

Name: TUID:

Recommended Sequence of Major Courses for Bachelor of Science:

☐ Calculus I: Math 1038* or 1041 or 1941H ______
☐ Physical Geology: EES 2001 ______
☐ TUteach Step 1 & 2: SCTC 1389 ______

☐ General Chemistry I: Chem 1031 or 1951FH ______
☐ General Chem Lab I: Chem 1033 or 1953FH ______

☐ Schedule PAPA Exam
☐ Mineralogy: EES 2011F ______

☐ Elementary Classical Physics I: Phys 1061 or 1961H
  OR General Physics I: Phys 2021 or 2921FH _____
☐ TUteach Knowing and Learning: Ed 2179 ______
☐ TUteach Special Ed 2231 ______

☐ Climate Change: Oceans to Atmosphere:
  EES 2096S ______
☐ Science Foundation Elective** ______
☐ TUteach Differentiated Literacy Instruction in the
  Disciplines, 7-12: Secondary Ed 3796 ______

Options:
☐ TUteach Project-Based Instruction: SCES 4189F OR Integrating STEM Practice SCTC 4485
☐ TUteach Apprentice Teaching: Ed 4388
☐ TUteach Apprentice Teaching Sem: Ed 4802

Possible Science Foundation Electives:
- Any EES 2000 level course
- Any EES 3000 level course

Possible Writing Intensive Options:
- EES 2008
- EES 3091
- SCTC 2601

Possible Science Foundation Elective Options:
- Any EES 4000 level course
- Any EES 5000 level course
- Any EES 6000 level course
- Any EES 7000 level course
- Any EES 8000 level course

Placement: Math: English: FL:
Notes: F = Fall Only  S = Spring Only  H = Honors Students Only
Please check all pre- and co-requisites for courses before registering.

*Students who choose Math 1038 must also take the corresponding section of the linked course Math 1039

** Refer to the Undergraduate Bulletin for Science Foundation Elective options.

***Students who take SCTC 3001 must take 1 EES elective as Writing Intensive

The Undergraduate Bulletin is the official source for major requirements: http://bulletin.temple.edu

Suggested Courses:

Notes:

Office Use Only: CR Path
### University Requirements 2016-2017

#### Appropriate University Curriculum:  
- **Gen Ed Traditional**  
- **Gen Ed 45+**  
- **Gen Ed-to-Gen Ed**

#### Gen Ed Curriculum

**Gen Ed Traditional:**
- □ Analytical Reading & Writing: Eng 0802________
- □ Mosaic I: Intel Heritage (IH) 0851 ____________
- □ Mosaic II: Intel Heritage (IH) 0852__________
- □ US Society (GU)____________
- □ Human Behavior (GB)**______________
- □ Arts (GA)____________
- □ Diversity and Race (GD)____________
- □ Global/World Society (GG)____________
- □ Quantitative Literacy (GQ)**___________
- □ Science and Technology (GS)**_________

**Gen Ed 45+ (45 or more transfer credits):**
- □ Analytical Reading & Writing: Eng 0802________
- □ Mosaic I or II: Intel Heritage (IH) 0851 or 0852________
- □ US Society (GU)*_____________
- □ Human Behavior (GB)*__________
- □ Arts (GA)*______________
- □ Diversity and Race (GD)____________
- □ Global/World Society (GG)____________
- □ Quantitative Literacy (GQ)**___________
- □ Science and Technology (GS)**_________

**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:
- [http://bulletin.temple.edu](http://bulletin.temple.edu)

**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.

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.