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 1038* or 1041 or 1941**H**
- **Physical Geology:** EES 2001
- **TUteach Step 1 & 2:** CST 1389
- **General Chemistry I:** Chem 1031 or 1951**FH**
- **General Chem Lab I:** Chem 1033 or 1953**FH**
- **Schedule PAPA Exam**
- **Mineralogy:** EES 2011**F**
- **Elementary Classical Physics I:** Phys 1061 OR General Physics I: Phys 2021 or 2921**FH**
- **TUteach Knowing and Learning:** Ed 2179
- **TUteach Special Ed 2231**
- **Climate Change: Oceans to Atmosphere:** EES 2096**S**
- **Science Foundation Elective****F**
- **Intro to Astronomy:** Phys 1004
- **TUteach Differentiated Literacy Instruction in the Disciplines, 7-12:** Secondary Ed 3796

#### 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**

**Suggested Courses:**

- _____________________________
- _____________________________
- _____________________________
- _____________________________
- _____________________________

**Notes:**

**Office Use Only:** CR Path_________________ Test Codes Added/Removed_________________
### 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)

**Note:** Students who complete TTeach majors typically receive a waiver for 1 GB, 2 GS, and 1 GQ 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 (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)*

**Note:** Students who complete TTeach majors typically receive a waiver for 1 GB, 2 GS, and 1 GQ 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](http://www.temple.edu/gened)
- [www.temple.edu/vpus/transfer/TransferGenEd.htm](http://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.

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**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.