SF State Scholars
*Tentative* Earth Sciences
Roadmap

Minimum Units required for Bachelors = 120
Minimum Units required for Masters = 30

**Students must meet with their advisor prior to registering for courses. This roadmap is designed for general planning ONLY! Roadmaps for more than 5 years plan may vary please consult with your department.**

**Bold = must take courses & pass before applying**
**Green = Undergraduate courses**
**Orange = Graduate Courses**

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### Freshman

**Fall**
- CHEM 115
- MATH 226
- ENG 114
- Area A
- Area A

**Spring**
- MATH 227
- PHYS 111/112 or PHYS 220/222
- Area A
- Area E

**15 Units**
(15 total)

### Sophomore

**Fall**
- PHYS 121/122 or PHYS 240/242
- ERTH 400
- Area B2
- Area C

**Spring**
- ERTH 500
- Major Emphasis
- Area C
- Area D

**16 Units**
(45 total)

### Junior

**Fall**
- ERTH 205
- Major Emphasis
- Area UD-B
- Area UD-C

**Spring**
- ERTH 505
- Major Emphasis
- Area UD-D
- Grad Elective

**14 Units**
(77 total)

### Senior

**Fall**
- Major Emphasis
- ERTH 600 GW
- Culminating Experience
- ERTH 690

**Spring**
- Major Emphasis
- ERTH 700
- Grad Elective

**17 Units**
(110 total)

### Graduate

**Fall**
- ERTH 702

**Spring**
- ERTH 897

**14 Units**
(141 total)

**Apply to SF Scholars**

**3.0 GPA**