

**Bold= must take courses & pass before applying**

**Green= Undergraduate courses**  
**Orange= Graduate Courses**

# SF State Scholars \*Tentative\* Earth Sciences Roadmap

**\*\*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.**

## Freshman

## Sophomore

## Junior

## Senior

## Graduate

Fall	Spring
CHEM 115	MATH 227
MATH 226	PHYS 111/112 or PHYS 220/222
ENG 114	Area A
Area A	Area E
<b>15 Units</b> <b>(15 total)</b>	<b>14 Units</b> <b>(29 total)</b>

Fall	Spring
PHYS 121/122 or PHYS 240/242	<b>ERTH 500</b>
<b>ERTH 400</b>	Major Emphasis
Area B2	Area C
Area C	Area D
Area D	Area D
<b>16 Units</b> <b>(45 total)</b>	<b>16 Units</b> <b>(61 total)</b>

Fall	Spring
<b>ERTH 205</b>	<b>ERTH 505</b>
Major Emphasis	Major Emphasis
Major Emphasis	Major Emphasis
Area UD-B	Area UD-D
Area UD-B	Area UD-C
<b>14 Units</b> <b>(77 total)</b>	<b>17 Units</b> <b>(94 total)</b>

**Apply to SF Scholars**

**3.0 GPA**

Fall	Spring
Major Emphasis	ERTH 600 GW
Major Emphasis	Major Emphasis
Major Emphasis	Major Emphasis
Culminating Experience	ERTH 690
ERTH 700	ERTH 701
	Grad Elective
<b>17 Units</b> <b>(110 total)</b>	<b>16 Units</b> <b>(127 total)</b>

Fall	Spring
ERTH 702	ERTH 897
ERTH 897	Grad Elective
Grad Elective	ERTH 898
Grad Elective	
Grad Elective	
<b>14 Units</b> <b>(141 total)</b>	<b>10 Units</b> <b>(151 total)</b>

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