

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

Green= Undergraduate courses  
Orange= Graduate Courses

## SF State Scholars \*Tentative\* Biochemistry + Chemistry (Biochemistry Concentration) 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
Area A2 (ENG 114)	CHEM 215/216
MATH 226	PHYS 111/112 or 220/222
Area A	Area E
<b>15 Units</b> (15 total)	<b>16 Units</b> (31 total)

Fall	Spring	Summer
CHEM 233/234	CHEM 335	SF Elective
PHYS 121/122 or 240/242	BIO 230	SF Elective
CHEM 321	Area C	
Area A	Area D	
<b>15 Units</b> (46 total)	<b>14 Units</b> (60 total)	<b>6 Units</b> (66 total)

Fall	Spring
CHEM 340	CHEM 300
CHEM 343	CHEM 341
Major UD-Elective	Major UD- Elective
Area C	Area C
Area D	Area D
<b>15 Units</b> (81 total)	<b>15 Units</b> (96 total)
<b>Apply to SF Scholars</b>	
<b>Completed 60 units</b>	<b>3.0 GPA</b>

Fall	Spring	Summer
CHEM 301	Major UD Elective	CHEM 897
Major UD-Elective	UD-D	
UD-B	SF Elective	
UD-C	Related Study	
	CHEM 879	
<b>15 Units</b> (111 total)	<b>15 Units</b> (120 total) Grad (6)	<b>3 Units</b> Grad (9)

Fall	Spring
CHEM 880	CHEM 897
CHEM 897	Related Study
Related Study	Culminating Experience
Related Study	
<b>12 Units</b> Grad (21)	<b>9 Units</b> Grad (30)

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