

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

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

# SF State Scholars \*Tentative\* Computer Engineering 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 180 or 115	ENGR 213
ENG 114	MATH 227
ENGR 100 + 121+212	PHYS 220+222
MATH 226	Area D
Area A	Area E
<b>17-19 Units</b> <b>(17-19 total)</b>	<b>17 Units</b> <b>(34-36 total)</b>

Fall	Spring
CSC 210	MATH 245
MATH 228	ENGR 205+206
PHYS 230/232	CS 220
Area B2	CS 230
Area C	Area D
<b>17 Units</b> <b>(51-53 total)</b>	<b>16 Units</b> <b>(67-69 total)</b>

Fall	Spring	Summer
ENGR 300+301	ENGR 451	UD-C
ENGR 305	ENGR 476	UD-D
ENGR 353	ENGR 478	Area C
ENGR 356+357	CSC 340	
Area C	Area D	
<b>17 Units</b> <b>(84-86 total)</b>	<b>16 Units</b> <b>(100-102 total)</b>	<b>9 Units</b> <b>(109-111 total)</b>
<b>Apply to SF Scholars</b>		
<b>81 Units (GE Requirements)</b>		<b>3.0 GPA</b>

Fall	Spring
CS 413	ENGR 697 GW
ENGR 456	ENGR 378
ENGR 696	UD-Elective
UD-Elective	ENGR 852
ENGR 844	Graduate Elective
Graduate Elective	
<b>16-17 Units</b> <b>(125-128 total)</b>	<b>17 Units</b> <b>(142-145 total)</b>

Fall	Spring
ENGR 800	ENGR 801
ENGR 897 or Graduate Elective	Graduate Elective
Graduate Elective	ENGR 898 or 895
<b>9 Units</b> <b>(151-154 total)</b>	<b>9 Units</b> <b>(160-163 total)</b>

Minimum Units required for Bachelors =128  
Minimum Units required for Masters = 30

# Computer Engineering Prerequisite Flow Chart

