

Bold= must take courses & pass before applying

Green= Undergraduate courses
Orange= Graduate Courses

SF State Scholars *Tentative* Electrical 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	PHYS 220+222
MATH 226	Area C
Area A	Area E
Area D	
17-19 Units (17-19 total)	17 Units (34-36 total)

Fall	Spring
ENGR 201/203/204/303	MATH 245
MATH 228	ENGR 205+206
PHYS 230/232	ENGR 290
Area B2	CSPHYS 240/242
Area D	Area D +C
17 Units (51-53 total)	18 Units (67-69 total)

Fall	Spring	Summer
ENGR 300	ENGR 301+306	UD-C
ENGR 305+315	ENGR 442	UD-D
ENGR 353	ENGR 451	
ENGR 356+357	ENGR 478	
Area C	UD-Major Elective	
17 Units (84-86 total)	18-19 Units (102-105 total)	6 Units (108-111 total)
Apply to SF Scholars		
Prior to taking ENGR 696		3.0 GPA

Fall	Spring
ENGR 446+447	ENGR 697 GW
ENGR 449	ENGR 350
ENGR 696	UD-Major Elective
UD-Major Elective	ENGR 852
ENGR 844	Graduate Elective
Graduate Elective	
16-17 Units (124-128 total)	14-15 Units (140-143 total)

Fall	Spring
ENGR 800	ENGR 801
ENGR 897 or Graduate Elective	Graduate Elective
Graduate Elective	ENGR 898 or 895
9 Units (149-152 total)	9 Units (158-161 total)

Minimum Units required for Bachelors =129
Minimum Units required for Masters = 30

Electrical Engineering Prerequisite Flow Chart

