

Bold= must take courses & pass before applying

Green= Undergraduate courses
Orange= Graduate Courses

**SF State Scholars
Tentative Physics BS + MS Astronomy and Astrophysics SF Scholars 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
Area A2 (ENG 114)	MATH 227
MATH 226 & PHYS 200	PHYS 220 & 222
Area A	Area A
Area C	Area E
Area D	
17 Units (17 total)	14 Units (31 total)

Fall	Spring
CSC 309 or MATH 209	MATH 225 or 245
MATH 228	PHYS 240 & 242
PHYS 230 & 232	Area C
Area B2	Area C
	Area D
14 Units (45 total)	16 Units (61 total)

Fall	Spring
ASTR 301	ASTR 340GW
PHYS 320	PHYS 360
PHYS 330	PHYS 370
PHYS 385	Area F
MATH 376 or SF Electives (if MATH 245 taken)	UD-B
Area D	
14 Units (75 total)	16 Units (91 total)
Apply to SF Scholars	
Completed 60 units	3.0 GPA

Fall	Spring
PHYS 430	ASTR 697
UD-C	U.S. and California Government
UD-D	SF State Electives
ASTR 700	ASTR 770
Grad Core (Double Counting)	Grad Elective (Double Counting)
15 Units (106 total) Grad (6)	15 Units (120 total) Grad (12)

Fall	Spring
PHYS 897	Grad Electives
Grad Core	Grad Electives
Grad Electives	Culminating Experience
9 Units	9 Units
129 total Grad (21)	(138 Total) Grad (30)

Minimum Units required for Bachelors =120
Minimum Units required for Masters = 30
Graduate Level Double Counting Units= 12