

**San Francisco State University**  
**Degree Roadmap: Bulletin Year 2008 - 2009**

May 22, 2008

**BS Degree in Physics - Astrophysics (675111)**

Minimum Number of Units in Major = 71

Bulletin URL: <http://www.sfsu.edu/~bulletin/current/programs> Key to Course Abbreviations: <http://www.sfsu.edu/~admisrec/reg/noindex/crsabbrev.html>  
 /nhvsics.htm#675111

**1st Semester Requirements**

Requirement	Recommended Courses	Units
Basic Information Competence		
Written English Proficiency	ENG 114	3
GE 1 Oral Communication	COMM 150	3
GE 1 Quantitative Reasoning also satisfies Major Lower Division Prerequisite	MATH 226	4
GE 2 Physical and Biological Sciences, Category A	ASTR 115	3
GE 2 Behavioral and Social Sciences		3

Note: Review the Bulletin for GE II requirements in the following areas:  
 LLD-Lifelong Development; AERM-American Ethnic and Racial Minorities; L/F-Laboratory or Fieldwork.

**Totals: 16**

**2nd Semester Requirements**

Requirement	Recommended Courses	Units
GE 1 Critical Thinking		3
GE 2 Behavioral and Social Sciences		3
GE 2 Humanities and Creative Arts		3
Major Lower Division Prerequisite	MATH 227	4
Major Lower Division Prerequisite	PHYS 220 & PHYS 222	4

**Totals: 17**

**3rd Semester Requirements**

Requirement	Recommended Courses	Units
GE 1 Written Communication Written English Proficiency		3
Major Lower Division Prerequisite	MATH 228	4
Major Lower Division Prerequisite	PHYS 230 & PHYS 232	4
Major Lower Division Prerequisite	CSC 210	3
Major Elective	ASTR 321	2

**Totals: 16**

**4th Semester Requirements**

Requirement	Recommended Courses	Units
US Government and California		3
GE 2 Physical and Biological Sciences, Category B		3
Major Lower Division Prerequisite	PHYS 240 & PHYS 242	4
Major Upper Division	MATH 376 or MATH 245	3
Major Elective	ASTR 320	3

**Totals: 16**

**5th Semester Requirements**

Requirement	Recommended Courses	Units
University UD Written English Proficiency		3
GE 3		3
Major Upper Division	PHYS 320	3
Major Upper Division	PHYS 321	2
Major Upper Division	PHYS 330	3
Major Upper Division	PHYS 385 or MATH 374	3

**Totals: 17**

**6th Semester Requirements**

Requirement	Recommended Courses	Units
GE 3		3
Major Upper Division	PHYS 360	3
Major Upper Division	ASTR 470	2
Major Upper Division	PHYS 430	3
Major Upper Division	PHYS 370	3

**Totals: 14**

**7th Semester Requirements**

Requirement	Recommended Courses	Units
GE 2 Behavioral and Social Sciences		3
GE 2 Humanities and Creative Arts		3
GE 3		3
Major Upper Division	PHYS 460	3
Major Upper Division	ASTR 410	3
Major Upper Division	PHYS 485	3

**Totals: 18**

**8th Semester Requirements**

Requirement	Recommended Courses	Units
US History		3
GE 2 Physical and Biological Sciences, Category C		3
GE 2 Humanities and Creative Arts		3
Major Upper Division	ASTR 697	3
Major Upper Division	ASTR 420	3

**Totals: 15**

Note: A minimum of 40 upper division units must be completed for degree.

Department Website: <http://www.physics.sfsu.edu/>