

BS Degree in Physics - Astrophysics (675111)

Minimum Number of Units in Major = 71

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

1st Semester Requirements

Requirement	Recommended Courses	Units
University 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
1st Semester Total		16

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.

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
2nd Semester Total		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 209 or CSC 210	3
Major Elective	ASTR 321	2
3rd Semester Total		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
4th Semester Total		16

Note: Take JEPET after 48 units earned to satisfy Written English Proficiency.

5th Semester Requirements

Requirement	Recommended Courses	Units
Written English Proficiency (if required)	ENG 414	0 to 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
5th Semester Total		14 to 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
6th Semester Total		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
7th Semester Total		18

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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
8th Semester Total		15

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

Department Website: .