

**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
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
<b>1st Semester Total</b>		<b>16</b>

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
<b>2nd Semester Total</b>		<b>17</b>

**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
<b>3rd Semester Total</b>		<b>16</b>

**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
<b>4th Semester Total</b>		<b>16</b>

**5th Semester Requirements**

Requirement	Recommended Courses	Units
University Written Eng Proficiency/GWAR		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
<b>5th Semester Total</b>		<b>17</b>

**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
<b>6th Semester Total</b>		<b>14</b>

**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
<b>7th Semester Total</b>		<b>18</b>

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8th Semester Requirements

Requirement	Recommended Courses	Units
US History		3
GE 2 Physical and Biological Sciences (If necessary to achieve 9 units)		3
GE 2 Humanities and Creative Arts		3
Major Upper Division	ASTR 697	3
Major Upper Division	ASTR 420	3
<b>8th Semester Total</b>		<b>15</b>

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

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