

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

May 22, 2008

**BS Degree in Biology - Physiology (671127)**

Minimum Number of Units in Major = 67

Bulletin URL: <http://www.sfsu.edu/~bulletin/current/programs/bioloav.htm#671127> 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	MATH 226	4
Major Lower Division	CHEM 115	5
<b>Totals:</b>		<b>15</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 Physical and Biological Sciences, Category B also satisfies Major Lower Division	BIOL 230	5
GE 2 Behavioral and Social Sciences		3
Major Lower Division (See Note 1)	CHEM 130	3
<b>Totals:</b>		<b>14</b>

3rd Semester Requirements		
Requirement	Recommended Courses	Units
GE 1 Written Communication also satisfies University Written English Proficiency	ENG 214	3
GE 2 Physical and Biological Sciences, Category A also satisfies Major Lower Division (See Note 2)	PHYS 111	3
GE 2 Behavioral and Social Sciences		3
Major Lower Division (See Note 2)	PHYS 112	1
Major Lower Division	BIOL 240	5
<b>Totals:</b>		<b>15</b>

4th Semester Requirements		
Requirement	Recommended Courses	Units
US Government and California		3
GE 2 Physical and Biological Sciences, Category C		3
GE 2 Humanities and Creative Arts		3
Major Lower Division (See Note 2)	PHYS 121 & PHYS 122	4
Major Upper Division	BIOL 350	3
<b>Totals:</b>		<b>16</b>

5th Semester Requirements		
Requirement	Recommended Courses	Units
US History		3
GE 2 Humanities and Creative Arts		3
GE 3		3
Major Lower Division	CHEM 215 & CHEM 216	5
Major Upper Division (Physiology Core (Lecture))	BIOL 612 or BIOL 630	3
<b>Totals:</b>		<b>17</b>

6th Semester Requirements		
Requirement	Recommended Courses	Units
University UD Written English Proficiency or University Elective		3
GE 2 Humanities and Creative Arts		3
Major Upper Division	BIOL 355	3
Major Upper Division	CHEM 340 or CHEM 349	3
Major Upper Division (Physiology Core (Lab))	BIOL 613 or BIOL 631	2
<b>Totals:</b>		<b>14</b>

7th Semester Requirements		
Requirement	Recommended Courses	Units
GE 2 Behavioral and Social Sciences		3
GE 3		3
Major Upper Division (Physiology Core)		3
Major Upper Division (Physiology Core)		3
Major Upper Division (Physiology Elective(s) (One or two classes from the cell/ molecular or ecological anatomical electives - See Note 3))		4 to 6
<b>Totals:</b>		<b>16 to 18</b>

8th Semester Requirements		
Requirement	Recommended Courses	Units
GE 3		3
Major Lower Division	MATH 124 or MATH 227 or BIOL 458	3 to 4
Major Upper Division (Physiology Elective(s) (One or two classes from the cell/ molecular or ecological anatomical electives - See Note 3))		4 to 6
University Elective		3
<b>Totals:</b>		<b>13 to 16</b>

Note: Meet with a major advisor to develop a customized course plan. 40 upper division units minimum are required for degree.

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Note 1: Pre-health professions majors: take CHEM 333/334 & CHEM 335/336 instead of CHEM 130.

Note 2: If you take PHYS 220/222 & PHYS 230/232 instead of PHYS 111/112 & PHYS 121/122, additional MATH courses are required.

Note 3: Take 1 cell/molecular, 1 ecological/anatomical, and a third class from either emphasis. Take at least 1 lab. Up to 3 units of BIOL 699 can be used.

Department Website: <http://www.sfsu.edu/~biology/>