

BS Degree in Biology - Botany (671107)

Minimum Number of Units in Major = 67

Bulletin URL: <http://www.sfsu.edu/~bulletin/current/programs/biology.htm#671107> Key to Course Abbreviations: .

1st Semester Requirements

Requirement	Recommended Courses	Units
University Basic Information Competence		
Written English Proficiency	ENG 114	3
GE 1 Quantitative Reasoning also satisfies Major Lower Division	MATH 226	4
GE 2 Physical and Biological Sciences, Category A also satisfies Major Lower Division	CHEM 115	5
GE 2 Physical and Biological Sciences, Category B also satisfies Major Lower Division	BIOL 230	5
1st Semester Total		17

Note: Review the Bulletin for GE II requirement 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 Oral Communication	SPCH 150	3
GE 1 Critical Thinking		3
Major Lower Division	BIOL 240	5
Major Lower Division	CHEM 130	3
Major Lower Division	MATH 227 or PHYS 111 & PHYS 112	4 to 5
2nd Semester Total		18 to 19

3rd Semester Requirements

Requirement	Recommended Courses	Units
GE 1 Written Communication also satisfies University Written English Proficiency	ENG 214	3
GE 2 Behavioral and Social Sciences		3
Major Lower Division	CHEM 215 & CHEM 216 or MATH 227 or PHYS 111 & PHYS 112 or PHYS 121 & PHYS 122	4
Major Upper Division	BIOL 355	3
Major Upper Division	BIOL 500 or BIOL 505	4
3rd Semester Total		17

4th Semester Requirements

Requirement	Recommended Courses	Units
GE 2 Humanities and Creative Arts		3
Major Lower Division	CHEM 215 & CHEM 216 or MATH 227 or PHYS 111 & PHYS 112 or PHYS 121 & PHYS 122	4 to 5
Major Upper Division	BIOL 337	4
Major Upper Division	BIOL 514	5
4th Semester Total		16 to 17

5th Semester Requirements

Requirement	Recommended Courses	Units
US History		3
GE 2 Humanities and Creative Arts		3
GE 3		3
Major Upper Division	BIOL 529	4
Major Upper Division (Elective on Advisement)	BIOL 500 or BIOL 505	4
5th Semester Total		17

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

6th Semester Requirements

Requirement	Recommended Courses	Units
University Elective or University Written English Proficiency (if required)	ENG 414	3
GE 2 Behavioral and Social Sciences		3
Major Upper Division	BIOL 458	3
Major Upper Division	BIOL 525 & BIOL 526	5
6th Semester Total		14

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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 (Elective on Advisement)	BIOL 504 or BIOL 530 or BIOL 532	3 to 4
7th Semester Total		12 to 13

8th Semester Requirements		
Requirement	Recommended Courses	Units
US Government and California		3
GE 2 Physical and Biological Sciences, Category C		3
GE 3		3
Major Upper Division (Elective on Advisement)	BIOL 524	3
8th Semester Total		12

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

This roadmap is a recommendation only. Most upper division courses are taught no more than once a year. Meet with a major advisor early to develop a customized course plan and to determine whether you can take a course earlier or later if desired. Senior Botany majors may have an opportunity to undertake individual research projects - consult with your advisor for details.

Department Website: .