

BS Degree in Biology - Ecology (671115)

Minimum Number of Units in Major = 67

Bulletin URL: <http://www.sfsu.edu/~bulletin/current/programs/biology.htm#671115> 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
1st Semester Total		15

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 A also satisfies Major Lower Division	PHYS 111	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	PHYS 112	1
2nd Semester Total		15

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	BIOL 240	5
Major Lower Division	CHEM 215 & CHEM 216	5
3rd Semester Total		16

4th Semester Requirements

Requirement	Recommended Courses	Units
US Government and California		3
GE 2 Physical and Biological Sciences (If necessary to achieve 9 units)		3
GE 2 Humanities and Creative Arts		3
Major Lower Division	MATH 227 or PHYS 121 & PHYS 122	4
Major Lower Division	CHEM 130	3
4th Semester Total		16

5th Semester Requirements

Requirement	Recommended Courses	Units
US History		3
GE 2 Humanities and Creative Arts		3
GE 3		3
Major Upper Division	BIOL 355	3
Major Upper Division	BIOL 458	4
5th Semester Total		16

6th Semester Requirements

Requirement	Recommended Courses	Units
University Written Eng Proficiency/GWAR or University Elective		3
GE 2 Behavioral and Social Sciences		3
Major Upper Division	BIOL 337	3
Major Upper Division	BIOL 525 or BIOL 630	3
University Elective		3
6th Semester Total		15

7th Semester Requirements

Requirement	Recommended Courses	Units
GE 2 Humanities and Creative Arts		3
GE 3		3
Major Upper Division (Ecology Requirement)		3 to 4
Major Upper Division Elective (on Advisement)		3 to 5
Major Upper Division Elective (on Advisement)		3 to 5
7th Semester Total		15 to 20

8th Semester Requirements

Requirement	Recommended Courses	Units
GE 3		3
Major Upper Division (Ecology Requirement)		3 to 4
Major Upper Division Elective (on Advisement)		3 to 5
Major Upper Division Elective (on Advisement)		3 to 5
8th Semester Total		12 to 17

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

This roadmap is a recommendation only. It is designed so that no more than two majors science classes are taken in most semesters. 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.

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