

BS Degree in Chemistry (671502)

Minimum Number of Units in Major = 70

Bulletin URL: <http://www.sfsu.edu/~bulletin/current/programs/chemist.htm#671502> Key to Course Abbreviations: <http://www.sfsu.edu/~admisrec/reg/noindex/crsabbrev.html>

1st Semester Requirements		
Requirement	Recommended Courses	Units
Basic Information Competence		3
Written English Proficiency	ENG 114	3
GE 1 Oral Communication	SPCH 150	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
1st Semester Total		15

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 Critical Thinking		3
Major Lower Division	MATH 227	4
Major Lower Division	PHYS 220 & PHYS 222	4
Major Upper Division	CHEM 333 & CHEM 334	5
2nd Semester Total		16

3rd Semester Requirements		
Requirement	Recommended Courses	Units
GE 1 Written Communication also satisfies University Written English Proficiency		3
GE 2 Humanities and Creative Arts		3
Major Lower Division	PHYS 230 & PHYS 232	4
Major Upper Division (See Note 1)	CHEM 335 & CHEM 336	6
3rd Semester Total		16

4th Semester Requirements		
Requirement	Recommended Courses	Units
GE 2 Physical and Biological Sciences, Category B		3
GE 2 Behavioral and Social Sciences		3
Major Lower Division	CHEM 215 & CHEM 216	5
Major Lower Division (See Note 2)	CHEM 251	3
4th Semester Total		14

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 2 Behavioral and Social Sciences		3
GE 2 Humanities and Creative Arts		3
Major Upper Division	CHEM 320	4
Major Upper Division	CHEM 340	3
Major Upper Division (See Note 3)	CHEM 351	3
5th Semester Total		16 to 19

6th Semester Requirements		
Requirement	Recommended Courses	Units
US History		3
GE 2 Humanities and Creative Arts		3
GE 3		3
Major Upper Division (See Note 4)	CHEM 353	3
Major Upper Division	CHEM 422	4
6th Semester Total		16

7th Semester Requirements		
Requirement	Recommended Courses	Units
GE 2 Physical and Biological Sciences, Category C		3
GE 3		3
Major Upper Division (See Note 3)	CHEM 425	3
Major Upper Division (See Note 3)	CHEM 451	2
Major Upper Division Elective (on advisement, See Note 5)		3
7th Semester Total		14

8th Semester Requirements		
Requirement	Recommended Courses	Units
US Government and California		3
GE 2 Behavioral and Social Sciences		3
GE 3		3
Major Upper Division (See Note 4)	CHEM 426	2
Major Upper Division Elective (on advisement, See Note 5)		3
8th Semester Total		14

Note: All courses required for the major must be completed with grades of C- or better with one exception.

Note 1: CHEM 338 may be substituted for CHEM 336.

Note 2: MATH 228 and PHYS 240 may be substituted for CHEM 251.

Note 3: This course typically offered fall semester only.

Note 4: This course typically offered spring semester only.

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Note 5: Consult with major advisor regarding appropriate choice of major electives and check course prerequisites before enrolling.

Department Website: <http://lewis.sfsu.edu/>