

**Bachelor of Science, Chemical Sciences  
Biological Chemistry Emphasis**

Four-Year Sample Plan for Catalog Year 2013 - 2014

Student Services Office-Academic Advising

School of Natural Sciences

Website: <http://ns-advising.ucmerced.edu>

Semester 1	Units
MATH 021	4
CHEM 002	4
WRI 010	4
CSE 020	2
	14

Semester 2	Units
MATH 22	4
PHYS 008	4
CHEM 010	4
CORE 001	4
	16

Semester 3	Units
MATH 023	4
CHEM 008	4
PHYS 009	4
Lower Division Elective (Humanities/Arts)	4
	16

Semester 4	Units
CHEM 100	3
MATH 032	4
MATH 024	4
Lower Division Elective (Social Sciences)	4
	15

Semester 5	Units
BIO 001*	4
CHEM 112	3
CHEM 101L	2
Upper Division Elective (Communication)	4
Free Elective	4
	17

Semester 6	Units
CHEM 111	4
CHEM 113	3
BIO 002 (Free Elective)*	4
Upper Division BIO Emphasis Elective	4
CHEM 153	2
	17

Semester 7	Units
CHEM 115	3
CHEM 120	3
Upper Division BIO Emphasis Elective	4
CHEM 155	2
Free Elective	4
	16

Semester 8	Units
CHEM 150	2
CHEM 194	1
CHEM 122	4
Upper Division In Depth Emphasis Elective	4
Upper Division Elective (Humanities/Arts/Social Sciences)	4
	15

**Total Program Units 126**

\*Lab is optional, not required.

The four-year plans presented in this sample plan demonstrate the recommended sequencing and timing of the required and elective components within each major. In many cases, a student's academic background will require variations in the timing of the coursework listed in the plan. All students are expected to work with their academic advisor to find their best pathway through the degree requirements of their chosen program.