

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

Four-Year Sample Plan for Catalog Year 2015 - 2016  
**Student Services Office-Undergraduate 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 022	4
PHYS 008	4
CHEM 010	4
CORE 001	4
	16

Semester 3	Units
MATH 023	4
CHEM 008/008L	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
ENGR 045	4
	17

Semester 6	Units
CHEM 113	3
CHEM 153	2
Upper Division Elective (Humanities/Arts/Social Sciences)	4
Free Elective	4
	13

Semester 7	Units
CHEM 111	4
CHEM 120	3
CHEM 115	3
CHEM 155	2
UD Materials Emphasis Elective	3-4
	15-16

Semester 8	Units
CHEM 150	2
CHEM 194	1
UD Materials In-Depth Emphasis Elective	3-4
Free Elective	4
Free Elective	4
	14-15

**Total Program Units 120-122**

\* BIO 001L 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.