

## Bachelor of Science, Applied Mathematics Computational Biology Emphasis

Four-Year Sample Plan for Catalog Year 2014 - 2015

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
CORE 001	4
Free Elective	4
	16

Semester 3	Units
MATH 023	4
BIO 001/001L	5
PHYS 009	4
Lower Division Elective (Humanities/Arts)	4
	17

Semester 4	Units
MATH 024	4
MATH 032	4
BIO 002	4
Lower Division Elective (Social Sciences)	4
	16

Semester 5	Units
MATH 125	4
UD Computational Biology Emphasis Elective	4
MATH 131	4
UD Computational Biology Emphasis Elective	4
	16

Semester 6	Units
MATH 122	4
MATH 132	4
UD Computational Biology Emphasis Elective	4
Upper Division Elective (Humanities/Arts/Social Sciences)	4
	16

Semester 7	Units
MATH 141	4
Free Elective	4
Upper Division Elective (Communication)	4
Free Elective	4
	16

Semester 8	Units
Math 126	4
UD Computational Biology Emphasis Elective	4
Free Elective	4
	12

**Total Program Units 123**

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.

**\* - Contains a pre-requisite of CHEM 008**

**\*\* - Currently not planned to be offered.**