

Bachelor of Science, Applied Mathematics Computational Biology 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	5
WRI 010	4
CSE 020	2
	15

Semester 2	Units
MATH 022	4
PHYS 008	4
BIO 001 & 001L	5
CORE 001	4
	17

Semester 3	Units
MATH 023	4
BIO 002*	4
PHYS 009	4
Lower Division Elective (Humanities/Arts)	4
	16

Semester 4	Units
MATH 024	4
MATH 032	4
Computational Biology Emphasis Elective	4
Lower Division Elective (Social Sciences)	4
	16

Semester 5	Units
MATH 125	4
Computational Biology Emphasis Elective	4
MATH 131	4
Upper Division Elective (Communication)	4
	16

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

Semester 7	Units
MATH 141	4
Computational Biology Emphasis Elective	4
Free Elective	4
Free Elective	4
	16

Semester 8	Units
MATH 126	4
Free Elective	4
Free Elective	4
	12

Total Program Units 124

* BIO 002L recommended, but 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.