

# Bachelor of Science, Applied Mathematics Physics Emphasis

Four-Year Sample Plan for Catalog Year 2017 - 2018

**Student Services Office-Undergraduate Advising**

School of Natural Sciences

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

Semester 1	Units
MATH 021	4
PHYS 008/008H	4
WRI 010	4
CHEM 002/002H	4
	16

Semester 2	Units
CSE 020 or ME 021	2-4
PHYS 008 or 008H	4
CORE 001	4
MATH 022	4
	14-16

Semester 3	Units
BIO or ESS Requirement	4
PHYS 010	4
Lower Division Humanities/Art Elective	4
MATH 024	4
	16

Semester 4	Units
Lower Division Social Science Elective	4
MATH 023/023H	4
Free elective	4
MATH 32	4
	16

Semester 5	Units
Upper Division Science Writing Course	4
Upper Division PHYS Emphasis Elective	4
MATH 130	4
MATH 125	4
	16

Semester 6	Units
Upper Division PHYS Emphasis Elective	4
MATH 126	4
Free Elective	4
Upper Division Elective (Social Sciences/Humanities/Arts)	4
	16

Semester 7	Units
Upper Division PHYS Emphasis Elective	4
Free Elective	4
MATH 122	4
MATH 141	4
	16

Semester 8	Units
Free Elective	4
MATH 132 or 146	4
MATH 150	4
	12

**Total Program Units 120-122**

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.