

Bachelor of Science, Applied Mathematics Engineering 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
CSE 020 or ME 021	2-4
WRI 010	4
CHEM 002/002H	4
	14-16

Semester 2	Units
Free Elective	4
PHYS 008 or 008H	4
CORE 001	4
MATH 022	4
	16

Semester 3	Units
BIO or ESS Requirement	4
PHYS 009 or 009H	4
Lower Division Humanities/Art Elective	4
MATH 023	4
	16

Semester 4	Units
Lower Division Social Science Elective	4
MATH 024	4
MATH 032	4
ENGR 057	4
	16

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

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

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

Semester 8	Units
Upper Division ENGR Emphasis 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.