

# Bachelor of Science, Applied Mathematics Engineering 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	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
PHYS 009	4
BIO 001**	4
Lower Division Elective (Humanities/Arts)	4
	16

Semester 4	Units
MATH 024	4
ENGR 057	4
MATH 032	4
Lower Division Elective (Social Sciences)	4
	16

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

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

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

Semester 8	Units
MATH 126	4
ME 135	4
Upper Division Engineering Emphasis	4
Free Elective	4
	16

**Total Program Units 126**

\* Optional course for Math major.

\*\* Or ESS 001, ESS 005

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.