

**Bachelor of Science, Physics
Atomic, Molecular and Optical 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
PHYS 008	4
	16

Semester 2	Units
MATH 022	4
PHYS 009	4
CORE 001	4
CSE 020	2
	14

Semester 3	Units
MATH 024	4
"Breadth" SCI/ENGR course	3-4
PHYS 010	4
Lower Division Elective (Humanities/Arts)	4
	15-16

Semester 4	Units
MATH 023	4
PHYS 105	4
Lower Division Elective (Social Sciences)	4
PHYS 122	2
	14

Semester 5	Units
PHYS 137	4
PHYS 110	4
PHYS 108	4
Upper Division Elective (Communication)	4
	16

Semester 6	Units
PHYS 160	4
PHYS 124	2
PHYS 148	4
PHYS 111	2
PHYS 126	2
	14

Semester 7	Units
Upper Division Elective (Humanities/Arts/Social Sciences)	4
PHYS 195	2
MATH 032	4
PHYS 141	4
	14

Semester 8	Units
PHYS 144	4
PHYS 196	2
Free Elective	4
Free Elective	4
Free Elective	4
	18

Total Program Units 121-122

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.