

**Bachelor of Science, Physics
Atomic, Molecular and Optical Emphasis**

Four-Year Sample Plan for Catalog Year 2015 – 2016

Student Services Office-Undergraduate Advising

School of Natural Sciences

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

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

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

Semester 3	Units
MATH 024	4
PHYS 108	4
PHYS 010	4
Lower Division Elective (Humanities/Arts)	4
	16

Semester 4	Units
MATH 023	4
PHYS 105	4
PHYS 122	2
PHYS 126	2
Lower Division Elective (Social Sciences)	4
	16

Semester 5	Units
PHYS 137	4
PHYS 110	4
MATH 032	4
Upper Division Elective (Communication)	4
	16

Semester 6	Units
PHYS 160	4
PHYS 148	4
Upper Division Elective (Humanities/Arts/Social Sciences)	4
PHYS 124	2
PHYS 111	2
	16

Semester 7	Units
PHYS 141	4
PHYS 195	2
"Breadth" SCI/ENGR course	4
Free Elective	4
	14

Semester 8	Units
PHYS 144	4
Free Elective	4
PHYS 196	2
Free Elective	4
	14

Total Program Units 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.