

**Bachelor of Science, Physics**  
**Atomic/Molecular/Optical/Condensed Matter Emphasis**

Four-Year Sample Plan for Catalog Year 2016 – 2017

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
MATH 022	4
PHYS 009/009H	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
“Breadth” SCI/ENGR course	3-4
PHYS 126	2
Lower Division Elective (Social Sciences)	4
	17-18

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

Semester 6	Units
PHYS 115	4
PHYS 138	2
PHYS 160	4
UD AMO/CM Emphasis Elective	3-4
Free Elective	4
	17-18

Semester 7	Units
UD AMO/CM Emphasis Elective	3-4
PHYS 195	2
Upper Division Elective (Humanities/Arts/Social Sciences)	4
Free Elective	4
	13-14

Semester 8	Units
UD AMO/CM Emphasis Elective	3-4
PHYS 196	2
Free Elective	4
Free Elective	4
	13-14

**Total Program Units 120-124**

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.