

Bachelor of Science, Physics, Atomic/Molecular/Optical/Condensed Matter 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
PHYS 008 or 008H	4
WRI 010	4
CHEM 002/002H	4
	16

Semester 2	Units
CSE 020 or MATH 050	2
PHYS 009 or 009H	4
CORE 001	4
MATH 022	4
	14

Semester 3	Units
PHYS 108	4
PHYS 010	4
Lower Division Humanities/Art Elective	4
MATH 024	4
	16

Semester 4	Units
Lower Division Social Science Elective	4
MATH 023/023H	4
PHYS 105	4
Lower Division Breadth Sci/Engr course	4
PHYS 126	2
	18

Semester 5	Units
Upper Division Science Writing course	4
MATH 032	4
PHYS 110	4
PHYS 137	4
	16

Semester 6	Units
PHYS 115	4
Free Elective	4
Upper Division AMO/CM Emphasis Elective	4
PHYS 138	2
PHYS 160	4
	18

Semester 7	Units
Upper Division Social Science and Humanities Elective	4
Free Elective	4
PHYS 195	2
Upper Division AMO/CM Emphasis Elective	4
	14

Semester 8	Units
Free Elective	4
Upper Division AMO/CM Emphasis Elective	4
Free Elective	4
PHYS 196	2
	14

Total Program Units 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.