

## Bachelor of Science, Physics Mathematical Physics 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 010	4
PHYS 108	4
Lower Division Elective (Humanities/Arts)	4
	16

Semester 4	Units
MATH 023	4
PHYS 105	4
PHYS 126	2
Lower Division Elective (Social Sciences)	4
	14

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 116	4
PHYS 138	2
PHYS 160	4
Free Elective	4
	18

Semester 7	Units
UD MATH Emphasis Elective	4
PHYS 195	2
"Breadth" SCI/ENGR course	3-4
Upper Division Elective (Humanities/Arts/Social Sciences)	4
	13-14

Semester 8	Units
UD MATH Emphasis Elective	4
PHYS 196	2
Free Elective	4
Free Elective	4
	14

**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.