

# Bachelor of Science, Physics, Mathematical Physics 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 |
|---------------------|-------|
| PHYS 009/009H       | 4     |
| CSE 020 or MATH 050 | 2     |
| 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     |
| PHYS 126                               | 2     |
|  | 14    |

| 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     |
| PHYS 138      | 2     |
| PHYS 160      | 4     |
| PHYS 116      | 4     |
|               | 18    |

| Semester 7  | Units |
|---|-------|
| Upper Division Social Science and Humanities Elective | 4     |
| Lower Division Sci/Engr course                        | 4     |
| OHYS 195  | 2     |
| Upper Division MATH Emphasis Elective                 | 4     |
|   | 14    |

| Semester 8                            | Units |
|---------------------------------------|-------|
| Free Elective                         | 4     |
| Upper Division MATH Emphasis Elective | 4     |
| Free Elective                         | 4     |
| PHYS 196                              | 2     |
|                                       | 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.