

# Bachelor of Science, Chemical Science, Environmental Chemistry 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     |
| CSE 005/020 or MATH 015 | 2-4   |
| WRI 010                 | 4     |
| CHEM 002/002H           | 4     |
|                         | 14-16 |

| Semester 2       | Units |
|------------------|-------|
| CHEM 10/10H      | 4     |
| PHYS 008 or 008H | 4     |
| CORE 001         | 4     |
| MATH 022         | 4     |
|                  | 16    |

| Semester 3                             | Units |
|--|-------|
| CHEM 008/008H                          | 4     |
| PHYS 009/009H                          | 4     |
| Lower Division Humanities/Art Elective | 4     |
| MATH 023/23H                           | 4     |
|  | 16    |

| Semester 4                             | Units |
|--|-------|
| Lower Division Social Science Elective | 4     |
| MATH 024                               | 4     |
| CHEM 100                               | 3     |
| MATH 32                                | 4     |
|  | 15    |

| Semester 5                            | Units |
|---------------------------------------|-------|
| Upper Division Science Writing Course | 4     |
| ESS 100                               | 4     |
| CHEM 101L                             | 2     |
| CHEM 112                              | 3     |
|                                       | 13    |

| Semester 6   | Units |
|--|-------|
| Upper Division Social Sciences/Humanities Elective | 4     |
| Free Elective                                      | 4     |
| BIO 001 (BIO 001L recommended but not Required)    | 4     |
| CHEM 113   | 3     |
| CHEM 153   | 2     |
|  | 17    |

| Semester 7                            | Units |
|---------------------------------------|-------|
| Upper Division ENVR Emphasis Elective | 3     |
| CHEM 111 or BIO 101                   | 4     |
| CHEM 115                              | 3     |
| CHEM 120                              | 3     |
| CHEM 155                              | 2     |
|                                       | 15    |

| Semester 8                            | Units |
|---------------------------------------|-------|
| Free Elective                         | 4     |
| Upper Division ENVR Emphasis Elective | 3     |
| Free Elective                         | 4     |
| CHEM 150                              | 2     |
| CHEM 194                              | 1     |
|                                       | 14    |

**Total Program Units 120**

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.