

# CHEMISTRY, MINOR

## REQUIREMENTS

### CHEMISTRY MINOR PREREQUISITES

Note that students must complete prerequisite coursework before enrolling in some courses required for the minor. For example, MATH 222 Calculus and Analytic Geometry 2 and PHYSICS 201 General Physics or PHYSICS 207 General Physics must be completed before taking CHEM 561 Physical Chemistry. Prerequisite coursework may be used to meet liberal studies requirements.

### CHEMISTRY MINOR REQUIREMENTS

A minimum cumulative grade point average of 2.75 is required, based on all chemistry minor coursework taken on the UW–Madison campus.

Complete at least 22 credits, including the following:

| Code                                 | Title  | Credits  |
|--------------------------------------|--|----------|
| <b>Introductory Chemistry</b>        |  |          |
| Select one of the following:         |  | 5–9      |
| CHEM 103 & CHEM 104                  | General Chemistry I and General Chemistry II     |          |
| CHEM 109                             | Advanced General Chemistry                       |          |
| CHEM 115                             | Chemical Principles I                            |          |
| <b>Analytical Chemistry</b>          |  |          |
| Select one of the following:         |  | 4–5      |
| CHEM 327                             | Fundamentals of Analytical Science               |          |
| CHEM 329                             | Fundamentals of Analytical Science               |          |
| CHEM 116 & CHEM 115                  | Chemical Principles II and Chemical Principles I |          |
| <b>Organic Chemistry</b>             |  |          |
| Select one of the following options: |  | 7–8      |
| Option 1:                            |  |          |
| CHEM 341                             | Elementary Organic Chemistry                     |          |
| CHEM 342                             | Elementary Organic Chemistry Laboratory          |          |
| BIOCHEM 501                          | Introduction to Biochemistry                     |          |
| Option 2:                            |  |          |
| CHEM 343                             | Organic Chemistry I                              |          |
| CHEM 344                             | Introductory Organic Chemistry Laboratory        |          |
| CHEM 345                             | Organic Chemistry II                             |          |
| <b>Inorganic Chemistry</b>           |  | <b>4</b> |
| CHEM 311                             | Chemistry Across the Periodic Table              |          |
| <b>Physical Chemistry</b>            |  | <b>3</b> |
| CHEM 561 or CHEM 565                 | Physical Chemistry or Biophysical Chemistry      |          |

### Electives

Complete Chemistry electives to total 22 credits<sup>1</sup>

1

CHEM 346 Intermediate Organic Chemistry Laboratory is recommended. BIOCHEM 501 Introduction to Biochemistry, CIV ENGR 500 Water Chemistry, CBE 440 Chemical Engineering Materials, CBE 540 Polymer Science and Technology, are also recommended elective options.