

B.A. Chemistry

General Education Requirements for all Bachelor's degrees

B.A. Foreign Language Requirement

Quality Enhancement Plan (QEP) Requirement

A minor is required for this degree.

Required Courses

| Item # | Title | credits |
|----------|---|---------|
| CHEM 111 | General Chemistry I | 4 |
| CHEM 112 | General Chemistry II | 4 |
| CHEM 201 | Research Methods in the Physical Sciences | 1 |
| CHEM 221 | Modern Analytical Chemistry | 4 |
| CHEM 231 | Organic Chemistry I | 4 |
| CHEM 232 | Organic Chemistry II | 4 |
| CHEM 341 | Physical Chemistry I | 4 |
| CHEM 431 | Biochemistry I | 3 |
| CHEM 432 | Biochemistry I Lab | 1 |
| CHEM 462 | Inorganic Chemistry | 3 |
| CHEM 475 | Research Methods in Chemistry | 4 |
| | CHEM Electives upper division | 4 |

Required Cognates

| Item # | Title | credits |
|----------|--------------------|---------|
| MATH 181 | Calculus I | 4 |
| PHYS 121 | General Physics I | 4 |
| PHYS 122 | General Physics II | 4 |

Recommended cognates:

| Item # | Title | credits |
|----------|--------------------------------------|---------|
| MATH 182 | Calculus II | 4 |
| MATH 283 | Calculus III | 4 |
| CSIS 110 | Principles of Computer Programming I | 3 |
| PHYS 221 | General Physics with Calculus I | 1 |
| PHYS 222 | General Physics with Calculus II | 1 |
| | Total credits: | 52 |

Category Descriptions

CHEM Electives upper division

Credits: 4

| Item # | Title | credits |
|----------|--|---------|
| CHEM 310 | Environmental and Geological Chemistry | 4 |
| CHEM 421 | Modern Analytical Instrumentation | 4 |
| CHEM 433 | Biochemistry II | 3 |
| CHEM 434 | Biochemistry II Lab | 1 |