

Bachelor of Arts in Chemistry Degree Requirements

(For students declaring chemistry as their major Spring Quarter 2002 or later)

1) Mathematics (MATH)

- | | | |
|----------------------------------|----|----------------------------------|
| Regular | or | Honors Calculus |
| <input type="checkbox"/> 124 (5) | | <input type="checkbox"/> 134 (5) |
| <input type="checkbox"/> 125 (5) | | <input type="checkbox"/> 135 (5) |
| <input type="checkbox"/> 126 (5) | | <input type="checkbox"/> 136 (5) |

2) Physics (PHYS)

- | | | |
|----------------------------------|----|----------------------------------|
| Calculus-based | or | Algebra-based |
| <input type="checkbox"/> 121 (5) | | <input type="checkbox"/> 114 (4) |
| <input type="checkbox"/> 122 (5) | | <input type="checkbox"/> 115 (4) |
| <input type="checkbox"/> 123 (5) | | <input type="checkbox"/> 116 (4) |

The calculus-based series is recommended.

NOTE: One credit lab is included with each course in the calculus-based physics.

If algebra-based physics taken, students must take one lab from below.

- One quarter of physics laboratory
 117, 118, 119 (1)

3) General Chemistry (CHEM)

- | | | | | |
|----------------------------------|----|----------------------------------|----|----------------------------------|
| Regular | or | Advanced | or | Honors |
| <input type="checkbox"/> 142 (5) | | <input type="checkbox"/> 144 (5) | | <input type="checkbox"/> 145 (5) |
| <input type="checkbox"/> 152 (5) | | <input type="checkbox"/> 154 (5) | | <input type="checkbox"/> 155 (5) |
| <input type="checkbox"/> 162 (5) | | <input type="checkbox"/> 164 (5) | | <input type="checkbox"/> 165 (5) |

4) Organic Chemistry (CHEM)

- a) Regular or Honors
- | | | |
|----------------------------------|--|----------------------------------|
| <input type="checkbox"/> 237 (4) | | <input type="checkbox"/> 335 (4) |
| <input type="checkbox"/> 238 (4) | | <input type="checkbox"/> 336 (4) |
| <input type="checkbox"/> 239 (3) | | <input type="checkbox"/> 337 (4) |
- b) Laboratory
- | | | |
|----------------------------------|----|----------------------------------|
| <input type="checkbox"/> 241 (3) | or | <input type="checkbox"/> 346 (3) |
| <input type="checkbox"/> 242 (3) | | <input type="checkbox"/> 347 (3) |

5) Inorganic Chemistry (CHEM)

- 312 Lecture (3)

6) Analytical Lab (CHEM)

- 321 (5) Quantitative Analysis (5)

7) Advanced Chemistry (CHEM)

Eleven credits of numerically graded CHEM 400 level courses to include either:

- a) 455 (3) or 452 (3)
 456 (3) 453 (3)
 457 (3)

- b) Additional 400-level chemistry courses, not previously mentioned, taken for a numerical grade. The two parts of this requirement must total eleven credits.

8) Advanced Chem Lab (CHEM)

- CHEM 317 (4) Inorganic Chem Lab
or 461(3) Physical Chemistry Lab