

Bachelor of Arts in Biochemistry Degree Requirements

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) General Chemistry (CHEM)

- | | | |
|----------------------------------|----------------------------------|----------------------------------|
| Regular | or Honors | or Accelerated |
| <input type="checkbox"/> 142 (5) | <input type="checkbox"/> 145 (5) | <input type="checkbox"/> 143 (6) |
| <input type="checkbox"/> 152 (5) | <input type="checkbox"/> 155 (5) | <input type="checkbox"/> 153 (6) |
| <input type="checkbox"/> 162 (5) | <input type="checkbox"/> 165 (5) | |

3) Organic Chemistry (CHEM)

- | | | |
|----------------------------------|----|----------------------------------|
| 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 (4) | | <input type="checkbox"/> 337 (4) |
| Laboratory | | |
| <input type="checkbox"/> 241 (3) | | <input type="checkbox"/> 346 (3) |
| <input type="checkbox"/> 242 (3) | | <input type="checkbox"/> 347 (3) |

4) Biology (BIOL)

- 180 (5)
- 200 (5)

5) 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. Students taking the calculus based course can apply one credit toward the science elective requirement. Students taking the algebra-based course may count one credit of physics lab (Phys 117, 118, 119) as a science elective.

6) Biochemistry (BIOC)

- 405 (3)
- 406 (3)

7) Physical Chemistry (CHEM)

- 452 (3)
- 453 (3)

8) Science Electives

Nine credits from the following list

AMATH 351 or 352 or **MATH** 307 or 308
ATM S 358, 458
B H 311
BIOL 220, 300, 355, 401, 402, 411, 457
BIOST 310
BSE 406
CHEM 312, 317, 321, 410, 416, 417, 418,
CHEM 419, 425, 426, 429, 430, 431, 432,
CHEM 434, 436, 458, 460, 461, 462, 463,
CHEM 464, 465, 484, 485, 486, 491
CSE 427
ENV H 431
ESS 312, 457
GENOME 361 or 371, 372, 373, 465
IMMUN 441
MICROM 402, 410, 411, 412, 431, 445
MSE 471, 475
NBIO 404
OCEAN 400
PHYS LAB** (one credit only)
Q SCI 381 or **STAT** 311

ADVANCED RESEARCH: Up to 3 credits of advanced undergraduate research may count toward this requirement. Research conducted outside of Chemistry or Biochemistry must first be approved by one of the undergraduate advisers.

Additional 400 level science courses may be considered for science electives after consultation and a petition is submitted to the biochemistry advisers.