### BIOLOGY

- A minimum 2.0 average in all biology courses required for this major is necessary to graduate
- A minimum of 32 credits at or above the 300-level must be completed at a Purdue campus
- At least one 500-level Biology course other than BIOL 500 or 542 must be completed for graduation
- 124 Total Credits are necessary to graduate

#### BIOLOGY

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
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<td><strong>Core:</strong></td>
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<td>1. BIOL 121 (2) (fall) and BIOL 131 (3) (spring)</td>
<td>3. BIOL 231 (3) BIOL 232 (2) (fall)</td>
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<td>2. BIOL 136, 137, 138, 139 (1 credit each)</td>
<td>4. BIOL 241 (3) BIOL 242 (2) (spring)</td>
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<td>(two of the four each semester; may be taken in any order)</td>
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**Electives:** Fifteen credits; must choose at least one from each of Groups A and B, and at least one laboratory course.


**Laboratory:** Choose one: 1. 439 (2) 2. Three credits of 500 (2) and 542 (1) including 500I 3. 514 (2) 4. 591 (4)

Research (394 or 494 or 499), (maximum of 3 credits), and BIOL 495C, Ideas in Science and Law (2 credits), will count toward the 15 credit requirement but will not count toward the Group A or B or the laboratory requirement.

### MATHEMATICS

MA [161 (5) and 162 (5)] or [165 (4) and 166 (4)] or [223 (3) and 224 (3)] or 173 (5)

**Math Electives:** (select one if MA 161-162 or 165-166 or 173 is chosen; two if MA 223-224):
C S 177 (4) or 158 (3) or 154 (3); STAT 311 (3), [503 (3) or 511 (3)]; MA 261 (4)

### CHEMISTRY

**General:**

1. CHM 115 (4)

2. CHM 116 (4)

**Organic:**

3. a. CHM 255 (3) and 255L (1), 256 (3) and 256L (1) or

   b. CHM 261 (3) and 263 (1), 262 (3) and 264 (1) or

   c. CHM 257 (4) and 257L (1) and either CHM 333 (3) or BCHM 307 (3)

**One course from:**

4. a. Analytical: BCHM 221 (3), CHM 224 (4), 321 (4)

   b. Biochemistry: BCHM 561 (3), CHM 533 (3)

   c. Physical: CHM 372 (3), 373 (3)

### PHYSICS

1. PHYS [220 (4) and 221 (4)] or [152 (4) and 241 (3) and 252 (1) and 290D (1)]

### ENGLISH

1. ENGL 106 (4) or 108 (3)

2. Choose one: ENGL 205, 304, 306, 309, 406, 419, 420, 421, 424 (3 credits each)

### LANGUAGE

1. 101 or 103 (both 3) 2. 102 (3) (Unless 103 is taken)

3. 201 (3)

### GENERAL EDUCATION

Consult the College of Science General Education Handout.

### FREE ELECTIVES

Approximately 10 - 15 credits

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1 BCHM 561 or CHM 533 may be used to fulfill the quantitative chemistry requirement or as a biology elective but not both.

2 If both BIOL 301 & 302 are completed, three of the six credits will count toward the 15 credit biology elective requirement. The other three credits will count as free electives. If only BIOL 301 or 302 is completed, the credits will count only as free elective credit.

3 Students who complete a course in physical chemistry (CHM 372 or 373) are automatically exempt from PHYS 290D.