

# BIOLOGY TEACHING

- 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

### First Year

### Second Year

#### **Core:**

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|--|---------------------------------------|
| 1. BIOL 121 (2) (fall) and BIOL 131 (3) (spring)   | 3. BIOL 231 (3) BIOL 232 (2) (fall)   |
| 2. BIOL 136, 137, 138, 139 (1 credit each)<br>(two of the four each semester; may be taken in any order) | 4. BIOL 241 (3) BIOL 242 (2) (spring) |

**Biology Electives:** (Select **ten** credits; must choose at least **one** each from Groups A & B, and at least **one** laboratory course):

**Group A:** BIOL 415 (3), 416 (3), 420 (3), 438<sup>1</sup> (3), 439<sup>1</sup> (2), 444<sup>1</sup> (3), 446 (3), 478 (3), 481 (3), 495N (3), 511 (3), 514 (2), 515 (2), 516 (3), 517 (2), 519 (2), 529 (3), 533 (3), 538 (3), 541 (3), 549 (2), 550 (3), 562 (3), 573 (3), 595A (2), 595K (3), 595Z (3), BCHM 561 (3), 562 (3), 572 (2-4), CHM 533 (3)

**Group B:** BIOL 301<sup>2</sup> (3), 302<sup>2</sup> (3), 455<sup>1</sup> (3), 483 (3), 493 (3), 495I (3), 537 (3), 551 (3), 559 (3), 580 (3), 585<sup>1</sup> (3), 591 (4), 592 (3), 595D<sup>1</sup> (3), 595G (3), 597 (3), HORT 301<sup>1</sup> (4)

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

Research (394 or 494 or 499) and BIOL 495C, Ideas in Science and Law (2 credits), will count toward the 10 credit requirement (maximum of 2), 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)

## PHYSICS

PHYS [220 (4) and 221 (4)] **or** [152 (4) and 241 (3) and 252 (1) and 290D<sup>4</sup> (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)

**GENERAL EDUCATION** Consult the College of Science General Education Handout.

## EDUCATION

COM 114 (3), EDFA 200 (3), EDCI 270 (2), Block I [EDCI 205 (3), EDCI 285 (3)],  
Block II [EDPS 235 (3), EDPS 265 (3)], EDCI 421 (3), EDCI 428 (2), EDCI 498V (10)

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<sup>1</sup>These courses are recommended for teaching majors.

<sup>2</sup>If **both** BIOL 301 & 302 are completed, **three** of the six credits will count toward the 10 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.

<sup>3</sup>Animal Physiology module recommended.

<sup>4</sup>Students who complete a course in physical chemistry (CHM 372 or 373) are automatically exempt from PHYS 290D.