

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

First Year

Second Year

Core:

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

Electives: **Fifteen** credits; must choose at least **one** from each of Groups A and B, and at least **one** laboratory course.

Group A: *BIOL* 415 (3), 416 (3), 420 (3), 438 (3), 439 (2), 444 (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* 561¹ (3), 562 (3), 572 (2-4), *CHM* 533¹ (3)

Group B: *BIOL* 301² (3), 302² (3), 455 (3), 483 (3), 493 (3), 495I (3), 537 (3), 559 (3), 580 (3), 585 (3), 591 (4), 592 (3), 595D (3), 595G (3), 597 (3), *HORT* 301 (4)

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 561¹ (3), CHM 533¹ (3)
- c. **Physical:** CHM 372³ (4), 373³ (3)

PHYSICS

1. PHYS [220 (4) and 221 (4)] **or** [152 (4) and 241 (3) and 252 (1) and 290D³ (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)
4. 202 (3)

GENERAL EDUCATION Consult the College of Science General Education Handout.

FREE ELECTIVES

Approximately 10 - 15 credits

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. 6/06