

CELL, MOLECULAR AND DEVELOPMENTAL 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

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)

Second Year

3. BIOL 231 (3) BIOL 232 (2) (fall)
4. BIOL 241 (3) BIOL 242 (2) (spring)

Other Required Biology:

1. **Two of:** BIOL 415 (3) **or** 420 (3) **or** 481 (3)
2. BCHM 561 (3) **or** CHM 533 (3)
3. BIOL 500/542; must include 500I¹(3 modules)
4. BIOL 516 (3) **or** 550 (3) **or** 573 (3) **or** 595D (3) **or** 595Z (3)

Biology Electives: Select **six** credits from the following:

1. Any advanced Biology elective (400 or 500 level) with the exception of BIOL 497, 498, or one credit electives in Biology. Special assignments in Biology (BIOL 495 or 595) require approval of the Cell, Molecular and Developmental Biology Area Committee.
2. BCHM 562.

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 290D² (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 6 - 11 credits

¹ Three credits of undergraduate research (BIOL 394, 494, or 499) may replace the 500/542 modules with approval of the Cell, Molecular, and Developmental Biology Area Committee

² Students who complete a course in physical chemistry (CHM 372 or 373) are automatically exempt from PHYS 290D.