

**B.A. DEGREE IN BIOLOGY -- Catalog 2020-2021  
(59 total hours)**

This is a flexible program that can be designed by a student and an advisor to meet personal educational goals and interests that may or may not include graduate study. The program may be used to meet a set of specific requirements; for example, certification for teaching at the secondary school level. Students in this major are qualified for a wide array of positions working in the biological sciences.

A major in Biology can be declared after completing 24 credit hours and BIO 201 and 202, or equivalent courses, with a grade of "C" (2.00) or better in both courses.

**Core Requirements: (21 hours total)**

- \_\_\_\_\_ 201 Principles of Biology: Cells (4)
- \_\_\_\_\_ 202 Principles of Biology: Biodiversity (4)

**\*\*\*BIO 201 and 202 are the prerequisite courses for all biology courses numbered 300 and above\*\*\***

- \_\_\_\_\_ 335 Genetics with lab (3) (1), prerequisites: BIO 201 and BIO 202
- \_\_\_\_\_ Physiology, chosen from one of the following bullets:
  - 325 Molecular Biology of the Cell with lab (3) (1), prerequisites: BIO 201, BIO 202, and CHM 211/CHML 211
  - 340 Plant Physiology (4), prerequisites: BIO 201, BIO 202, and CHM 102
  - 345 Animal Physiology with lab (3) (1), prerequisites: BIO 201, BIO 202, and CHM 102
  - 240 – 241 Human Anatomy and Physiology (4) (4), prerequisites: 240=BIO 201 and CHM 101; 241=BIO 240
- \_\_\_\_\_ 366 Ecology with lab (3) (1), prerequisites: BIO 201 and BIO 202
- \_\_\_\_\_ 495 Seminar (1), prerequisites: BIO or MBY major; senior standing
- \_\_\_\_\_ Applied Learning -- To satisfy the applied learning requirement for the B.S. in marine biology a student must successfully complete one of the following: honors in any science department (BIO 499, CHM 499, EVS 499, GLY 499, MAT 499, PSY 499, PHY 499); directed individual study involving hands-on experience in any science department (BIO 491, CHM 491, EVS 491, GLY 491, MAT 491, PSY 491, PHY 491); BIO 498 Internship, BIO 493 Teaching Practicum; formal student teaching experience taken for UNCW credit (e.g. EDNL 406, EDN 409, EDN 411); BIO 480 Field Studies; BIO 495 Senior Seminar.

**Biology Electives: a minimum of 30 hours** chosen from courses numbered above 299 and not used to satisfy other requirements. >500 level courses may be chosen with permission of the instructor. **At least two elective courses must be laboratory courses.**

No more than 10 hours may be counted from BIO 480, 491 (6 hr. max), 493 (2 hr. max), 498 (3 hr. max), and 499 (6 hr. max)


\_\_\_\_\_ Total elective hours

**Collateral Requirements: (8 hours)**

- \_\_\_\_\_ Chemistry 101 (4)
- \_\_\_\_\_ Chemistry 102 (4)

A "C" (2.00 GPA) or better average in Biology courses numbered above 299 and an overall 2.00 GPA in all courses are required for graduation.