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
- 366 Ecology with lab (3) (1), prerequisite: BIO 201 and BIO 202
- 495 Seminar (1), prerequisites: BIO or MBY major; BIO 201, 202, 335, 366, and a physiology course
- 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)

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- 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.