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 or 495L 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.A. in 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, ENS 491, GLY 491, MAT 491, PSY 491, PHY 491); BIO 498, BIO 493; formal student teaching experience taken for UNCW credit (e.g. EDNL 406, EDN 409, EDN 411); BIO 480 or BIOL 495.

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.

<table>
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<th>No more than 10 hours may be counted from BIO 480, 491, 493 (2 hr. max), 495 (2 hr. max), 498 (3 hr. maximum), and 499 (6 hr. max)</th>
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</table>

**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.