B. A. Biology (BIO)  
*College: Arts & Science*

**With or Without Teacher Licensure Option**

Course requirements for all UNCW degrees include: (1) University Studies, (2) specific major requirements, and (3) sufficient elective hours for a combined total of a minimum of 124 hours.

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**MAJOR REQUIREMENTS - BIO** (Minimum 59 hours)

**Core Courses:** (29-35 hours)

- **BIO 201** Principles of Biology: Cells (4)
- **BIO 202** Principles of Biology: Biodiversity (4)
- **BIO 335** Genetics (3), Lab (1) Prereqs: BIO 201, 202 (Meets Computer Requirement with BIO 366)
- **BIO 366** Ecology (3), Lab (1) Prereqs: BIO 201 and 202 (Meets Computer Requirement with BIO 335)
- **BIO 325** Molecular Biology of the Cell (3), Lab (1) Prerequisites: BIO 201, 202, and CHM 211
- **BIO 340** Plant Physiology (4) Prerequisites: BIO 201, 202, and CHM 102
- **BIO 345** Animal Physiology (3), Lab (1) Prerequisites: BIO 201, 202, and CHM 102
- **BIO 240 & 241** Human Anatomy and Physiology I, II (3, 3), Lab (1, 1) Prerequisites: BIO 201, CHM 101
- **BIO 495** Seminar (1-3) Prereqs: BIO 201, 202, 335, 366, and a physiology course, or consent of instructor
- **BIOL 495** Applied Learning Seminar (1) Prereqs: BIO 201, 202, 335, 366 & a physiology class, or consent of instructor (Meets Oral Communication and Applied Learning Requirements)

**Electives:** (Minimum 30 hours of BIO courses above 299-level with at least two laboratory courses)

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- **Note:** No more than 10 hours from BIO 480, 491, 493, 498, and 499 can be counted toward the 30 elective hours. BIO *335 and *366 must be completed before taking other BIO courses at the 300- or 400-level.

**For teacher licensure, students must complete the requirements for a degree in BIO/MBY and the other requirements of the Teacher Education Program. In addition, the following courses are required for licensure:** BIO +160 or *335, BIO +190 or 425, BIO *315, BIO *325 or *340 or *345, BIO *366; GLY +*101 or +*150, and PHY +*101 or +*105. Additionally, to earn Secondary Science Licensure, students must complete 21 hours from 3 physical science areas. A minimum of 2 courses from each discipline, including PHY +260, is required. For information on the Teacher Education Program admissions criteria and the courses required for licensure in North Carolina, see the Watson College of Education section of the catalogue. Students planning to pursue licensure should apply to the WCE as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors. Teacher licensure requirements are established at the state level and may be changed by the state at any time.

BIO 201 and 202 must have a grade of “C” or better, and a cumulative GPA of 2.00 or better is required in all BIO courses above the 299-level.

*These courses require a lab
+May also be used to satisfy University Studies Foundations & Approaches and Perspectives requirements

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**Requirements to declare PRE-BIO:** Completion of 24 semester hours.

**Requirements to declare BIO:** Completion of BIO 201 or 202 or equivalent courses with a grade of “C” or better in both courses.

**Requirements to declare BIO for Transfer Students:** a) completion of 24 semester credit hours from an accredited four-year college or university and a 2.00 grade point average in two biology courses with labs, preferably BIO 201 and 202, or equivalents; or, b) completion of an associate degree from an accredited two-year college and a 2.00 grade point average in two biology courses with labs. For further information, see the BIO website: [http://www.uncw.edu/bio](http://www.uncw.edu/bio) and [http://catalogue.uncw.edu](http://catalogue.uncw.edu).

This document is considered an unofficial guide. Please refer to your degree audit for the latest updates.