The UNCW marine biology curriculum is a unique baccalaureate program in the university system. It includes a strong foundation of biology with an emphasis in marine biology at the junior and senior levels. Full use is made of the natural laboratory provided by the adjacent Atlantic Ocean through extensive field work in many marine biology and biology courses. The curriculum is flexible enough to meet the individual needs of the student enabling preparation for graduate studies or for teaching and research careers available to one with the baccalaureate degree.

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

**MARINE BIOLOGY CORE REQUIREMENTS (25 Hours)**

- **201** Principles of Biology: Cells (4 credit hours)
- **202** Principles of Biology: Biodiversity (4 credit hours)

*****BIO 201 and 202 are the pre-requisite courses for biology courses numbered above 300*****

- **335** Genetics lecture and lab (3, 1 credit hours each) pre-requisites: BIO 201 & 201
- **366** Ecology lecture and lab (3, 1 credit hours each) pre-requisites: BIO 201 & 201
- **362** Marine Biology (4 credit hours)
- **Physiology requirement (4 credit hours):**
  - **325** Molecular Biology of the Cell lecture and lab (3, 1 credit hours each) pre-requisites: BIO 201, 202 and CHM 211
  - **340** Plant Physiology (4 credit hours) pre-requisites: BIO 201, 202 and CHM 102
  - **345** Animal Physiology lecture and lab (3, 1 credit hours each) pre-requisites: BIO 201, 202 and CHM 102
- **495 or 495L** Seminar (1-3 credit hours) 3 hours maximum. Pre-requisites: full BIO or MBY major; BIO 201, 202, 335, 366, and a physiology course

**MARINE BIOLOGY REQUIREMENTS (8 Hours)**

- **312** Marine Botany (4 credit hours) or **313** Marine Phycology (4 credit hours)
- **318** Invertebrate Zoology (4 credit hours)
- **357** Ichthyology and 357L Ichthyology Lab (3, 1 credit hours)

**MARINE BIOLOGY ELECTIVES (13 Hours)**

(choose 13 hours from Biology courses numbered above 299. No more than 10 hours from BIO 480, 491, 493, 498, and 499 can be counted towards the 13 elective hours. ) >500 level (graduate) courses may be chosen with permission of the instructor.

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**COLLABORAL REQUIREMENTS (29 Hours)**

- Chemistry 101 (4 credit hours)
- Chemistry 102 (4 credit hours)
- Chemistry 211 and CHML 211 (3, 1 credit hours), prerequisite CHM 102
- Geology 150 (3 credit hours)
- Physics 101 (corequisite MAT 111) or 201 (corequisite MAT 161) (4 credit hours)
- Physics 102 (corequisite MAT 111) or 202 (corequisite MAT 162) (4 credit hours)
- Mathematics 151 (3 credit hours) or 161 (4 credit hours)
- Statistics 215 (3 credit hours)

A “C” (2.00 GPA) or better average on Biology courses numbered above 299 is required for graduation.