B. S. Marine Biology (MBY)

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.

MAJOR REQUIREMENTS - MBY (Minimum 75 hours)

Core Courses: (33 hours)

- +*BIO 201 Principles of Biology: Cells (4)
- +*BIO 202 Principles of Biology: Biodiversity (4)
- *BIO 335 Genetics (3), Lab (1) Prerequisites: BIO 201 and 202
- *BIO 362 Marine Biology (4) Pre/Corequisite: BIO 366
- *BIO 366 Ecology (3), Lab (1) Prerequisites: BIO 201 and 202
- *BIO 325 Molecular Biology of the Cell (3), Lab (1) Prerequisites: BIO 201, 202 and CHM 211

Core or +BIO 340 Plant Physiology (4) Prerequisites: BIO 201, 202 and CHM 102

Core or +BIO 345 Animal Physiology (3), Lab (1) Prerequisites: BIO 201, 202 and CHM 102

Core BIO 495 Seminar (1-3) Prerequisites: BIO 201, 202, 335, 366 and a physiology course, or consent of instructor

Core or BIOL 495 Applied Learning Seminar (1) Prerequisites: BIO 201, 202, 335, 366 and a physiology class, or consent of instructor (Meets Oral Communication and Applied Learning Requirements)

Core BIO Choose 8 hours from the following: BIO *312 or *313, *318 or *357.

Collateral Requirements: (29 hours)

- +*CHM 101 General Chemistry I (4)
- +*CHM 102 General Chemistry II (4) Prerequisite: CHM 101
- +*CHM 211 Organic Chemistry I (3), Lab (1) Prerequisite: CHM 102
- +OCN 150 Introduction to Oceanography (3)
- +MAT 151 Basic Calculus with Applications I (3) Prerequisite: MAT 111 or 115 or equivalent preparation

Core or +MAT 161 Calculus with Analytical Geometry I (4) Prerequisite: MAT 112 or 115 or equivalent preparation

Core or +PHY 101 Elementary College Physics I (4) Corequisite: MAT 111

Core or +PHY 102 Elementary College Physics II (4) Prerequisite: PHY 101

Core or STT 215 Introduction to Statistics (3) Prerequisite: Satisfactory performance on UNCW math test or MAT 105

Biology Elective Courses: (Minimum 13 hours of BIO courses above 299-level with at least one lab course)

Note: No more than 10 hours from BIO 480, 491, 493, 498 and 499 can be counted toward the 13 elective hours.

Core BIO

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**For teacher licensure, students must complete the requirements for a degree in biology/marine biology and the other requirements of the Teacher Education Program. In addition, the following courses are required for licensure: BIO 160 or BIO 335 and BIOL 335, BIO 190 or 425, BIO 315, BIO 325 and BIO 325L or BIO 340 or BIOL 345 and BIOL 345, BIO 366 and BIOL 366; GLY 101 or 150, and PHY 101 or 105. Additionally, to earn Secondary Science Licensure, students must select at least 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 School of Education section of the catalogue or the WSE website. Students planning to pursue licensure should apply to the WSE 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

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

Requirements to declare MBY: Completion of BIO 201 and 202 or equivalent courses, with a grade of “C” or better in both courses. Transfer students wishing to declare a major in marine biology must meet admission requirements, which are: 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 and http://catalogue.uncw.edu.

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

5/25/2015