

# 2014 - 2015 Old Dominion University Catalog

## Bachelor of Science in Marine Biology

*Sample four year curriculum with a suggested ordering of courses. Students may re-order as needed.*

### YEAR 1 - FRESHMAN (32 CREDITS)

#### FALL SEMESTER (16 credits)

General Education Coursework:  
ENGL 110C  
Oral Communication  
MATH 162M  
Language and Culture I (May be waived,  
see catalog for details)  
BIOL 121N & 122N

#### SPRING SEMESTER (16 credits)

General Education Coursework:  
ENGL 231C  
Human Creativity  
Interpreting the Past  
Language and Culture II (May be waived,  
see catalog for details)  
BIOL 123N & 124N

### YEAR 2 - SOPHOMORE (30 CREDITS)

#### FALL SEMESTER (14 credits)

General Education Coursework:  
Literature  
OEAS 111N (4 credits)  
  
STAT 130M  
CS 121G

#### SPRING SEMESTER (16 credits)

General Education Coursework:  
Impact of Technology  
PHYS 111N (4 credits)  
  
Human Behavior  
Philosophy and Ethics  
MATH 211

### YEAR 3 - JUNIOR (32 CREDITS)

#### FALL SEMESTER (16 credits)

Major Coursework:  
BIOL 291  
BIOL 292  
CHEM 121 & 122N (4 credits)  
CHEM 211  
Upper Division Gen. Ed. Coursework:  
300-/400-level Option D

#### SPRING SEMESTER (16 credits)

Major Coursework:  
BIOL 303  
CHEM 123 & 124N (4 credits)  
BIOL 331  
Marine Biology Elective\*\*\*  
Upper Division Gen. Ed. Coursework:  
300-/400-level Option D

### YEAR 4 - SENIOR (26 CREDITS)

#### FALL SEMESTER (12 credits)

Major Coursework:  
BIOL 405W  
OEAS 306  
BIOL 293  
Upper Division Gen. Ed. Coursework:  
300-/400-level Option D

#### SPRING SEMESTER (14 credits)

Major Coursework:  
Marine Biology Elective\*\*\*  
Marine Biology Elective\*\*\*  
CHEM Elective 200-level or higher  
(5 credits)  
Upper Division Gen. Ed. Coursework:  
300-/400-level Option D course

The concentration requires satisfactory completion of the general biology foundation courses (BIOL 115N and BIOL 116N) or equivalent and at least 15 semester credit hours in approved marine biology related courses at the advanced level (300 and 400 level, see marine biology concentration brochure), including two required courses: Marine Biology (BIOL 331) and Ocean, Earth and Atmospheric Sciences (OEAS 306). The mathematics requirement for the concentration is MATH 211 Calculus I, and the non-biology physical science requirements are OEAS 111N Physical Geology and PHYS 111N Introductory General Physics.

Students in the program are expected to participate in non-credit, monthly meetings of the ODU Marine Biology Association. One course completed at an off-campus marine biology laboratory or study abroad program is strongly recommended, as is a research, practicum, or internship experience in marine biology. Other requirements are listed under the Bachelor of Science—Biology Major. Marine biology students may also select a minor in ocean and earth science.

Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major, a grade of C or better in all courses required for the major, including prerequisite courses, 120 credit hours, which must include both a minimum of 30 credit hours overall and 12 credit hours in upper-level courses in the major program from Old Dominion University, completion of ENGL 110C, ENGL 211C or 221C or 231C, and a writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.