

## 2019 - 2020 Old Dominion University Catalog

### Bachelor of Science in Marine Biology (w/ VCCS Equivalencies)

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

*\* Indicates not automatically waived with transferrable associates degree, C or better required for transfer. Courses in green are waived by the completion of an Associate degree (Not eligible for Applied Associate degrees). Associate in Science recommended for ease of transfer.*

#### YEAR 1 - FRESHMAN (32 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (16 credits)	
<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>
ENGL 110C*	ENG 111	ENGL 231C*	ENG 115 or 131
STAT 130M*	MTH 146, 155, 157, 240, 241, 242 or 245	Oral Communication	<a href="#">Transfer Guide</a>
Human Creativity	<a href="#">Transfer Guide</a>	Interpreting the Past	<a href="#">Transfer Guide</a>
Language and Culture I (May be waived, see catalog for details)	<a href="#">Transfer Guide</a>	Language and Culture II (May be waived, see catalog for details)	<a href="#">Transfer Guide</a>
BIO 121N & 122N*	BIO 101	BIO 123N & 124N*	BIO 102

#### YEAR 2 - SOPHOMORE (33 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (17 credits)	
<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>
MATH 163*	MTH 162, 164 or 167	Human Behavior	<a href="#">Transfer Guide</a>
Information Literacy and Research: CS 121G required or STEM 251G required*	<a href="#">Transfer Guide</a>	Philosophy and Ethics	<a href="#">Transfer Guide</a>
<u>Major Coursework:</u>	<a href="#">Transfer Guide</a>	<u>Major Coursework:</u>	
Impact of Technology		BIO 292	
BIO 291		MATH 211(4 credits)*	MTH 173, 263 or 273
CHEM 121N & 122N (4 credits)*	CHM 111	CHEM 123 & 124N (4 credits)*	CHM 112

#### YEAR 3 - JUNIOR (32 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (16 credits)	
<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
Literature	<a href="#">Transfer Guide</a>	BIO 303	
<u>Major Coursework:</u>		PHYS 111N (4 credits)*	PHY 111, 121, 201
CHEM 211*	CHM 241	BIO 331	
OEAS 111N (4 credits)*	GOL 105	OEAS 306	
BIO 293		300/400 level Marine Biology Elective***	
300/400 level Marine Biology Elective***			

#### YEAR 4 - SENIOR (29 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (14 credits)	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
BIO 121N & 122N (4 credits)*		CHEM Elective 200-level or higher (5 credits)*	CHM 242 and 243, 244, 245 or 246
300/400 level Marine Biology Elective***		<u>Upper Division Gen. Ed. Coursework:</u>	
300/400 level Marine Biology Elective***		300-/400-level Option D or Approved Minor	
300/400 level Marine Biology Elective***		300-/400-level Option D or Approved Minor	
<u>Upper Division Gen. Ed. Coursework:</u>		300-/400-level Option D or Approved Minor	
300-/400-level Option D or Approved Minor			

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.

\*\*\*Students are required to take at least 15 semester credit hours in approved marine biology related courses at the 300-400 level (consult with advisor). All required and elective courses used for the concentration must be passed with a C (2.0) or better.

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.