

**2015 - 2016 Old Dominion University Catalog**  
**Bachelor of Science in Ocean and Earth Science**  
**(Biological Oceanography Concentration) (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.*

**YEAR 1 - FRESHMAN (31 CREDITS)**

<b>FALL SEMESTER (14 credits)</b>		<b>SPRING SEMESTER (17 credits)</b>	
<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
MATH 211 (4 credits)	MTH 173 or 273*	ENGL 211C or 231C	ENG 112, 210, 115 or 131*
ENGL 110C	ENG 111*	Human Creativity	<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>
BIOL 121N & 122N (4 credits)	<a href="#">Transfer Guide*</a>	MATH 212 (4 credits)	MTH 174 or 274*
		BIOL 123N & 124N (4 credits)	<a href="#">Transfer Guide*</a>

**YEAR 2 - SOPHOMORE (29 CREDITS)**

<b>FALL SEMESTER (14 credits)</b>		<b>SPRING SEMESTER (15 credits)</b>	
<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 121N and 122N (4 credits)	CHM 111*	CHEM 123N and 124N (4 credits)	CHM 112*
Literature	<a href="#">Transfer Guide</a>	Interpreting the Past	<a href="#">Transfer Guide</a>
Philosophy and Ethics	<a href="#">Transfer Guide</a>	Information Literacy and Research	<a href="#">Transfer Guide</a>
OEAS 111N (4 credits)	GOL 105*	CHEM 211 and 212 (4 credits)	CHM 241 and 243 or 245*

**YEAR 3 - JUNIOR (31 CREDITS)**

<b>FALL SEMESTER (16 credits)</b>		<b>SPRING SEMESTER (15 credits)</b>	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 213	CHM 242*	OEAS 406 (1 credit)	
Elective**		OEAS 440 (4 credits)	
PHYS 231 (4 credits)	PHY 221, 231 or 241*	PHYS 232N (4 credits)	PHY 222, 232 or 242*
STAT 310 or 330		BIOL 292	
OEAS 310		OEAS 306	

**YEAR 4 - SENIOR (30 CREDITS)**

<b>FALL SEMESTER (15 credits)</b>		<b>SPRING SEMESTER (15 credits)</b>	
<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
Human Behavior	<a href="#">Transfer Guide</a>	Impact of Technology	<a href="#">Transfer Guide</a>
CHEM 441		OEAS Elective**	
OEAS Elective**		OEAS 442	
OEAS 441		BIOL 415 or OEAS 451W (pre-requisite of BIOL 331 & 291 for BIOL 415)	
<u>Upper Division Gen. Ed. Coursework:</u>		<u>Upper Division Gen. Ed. Coursework:</u>	
300-/400-level course (Option D)		300-/400-level course (Option D)	

\*\*Please refer to the catalog and consult with your advisor for appropriate elective coursework.

Language and Culture may be waived, see ODU catalog for exemptions.

Note: Upper division general education (minor) has other options, see catalog for requirements.

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.