

**2019 - 2020 Old Dominion University Catalog**  
**Bachelor of Science in Ocean and Earth Science**  
**Physical 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. 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 (30 CREDITS)**

**FALL SEMESTER (16 credits)**

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ENGL 110C	ENG 111*
BIOL 121N & 122N (4 credits)	BIO 101*
Literature	<a href="#">Transfer Guide</a>
Human Creativity	<a href="#">Transfer Guide</a>
Language and Culture I (May be waived; see catalog for details)	<a href="#">Transfer Guide</a>

**SPRING SEMESTER (14 credits)**

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ENGL 211C or 231C	ENG 112, 210, 115 or 131*
BIOL 123N & 124N (4 credits)	BIO 102*
MATH 211 (4 credits)	MTH 173, 263 or 273*
Language and Culture II (May be waived; see catalog for details)	<a href="#">Transfer Guide</a>

**YEAR 2 - SOPHOMORE (30 CREDITS)**

**FALL SEMESTER (15 credits)**

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 121N and 122N (4 credits)	CHM 111*
MATH 212 (4 credits)	MTH 174, 264, or 274*
PHYS 231N (4 credits)	PHY 221, 231 or 241*
OEAS 130G (Meets Info Literacy and Research)	

**SPRING SEMESTER (15 credits)**

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 123N and 124N (4 credits)	CHM 112*
OEAS 111N (4 credits)	GOL 105*
PHYS 232N (4 credits)	PHY 222, 232 or 242*
Impact of Technology	<a href="#">Transfer Guide</a>

**YEAR 3 - JUNIOR (30 CREDITS)**

**FALL SEMESTER (16 credits)**

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
OEAS 310 (4 credits)	
STAT 310	
GEOG 402	
Option A, B or C course**	
Human Behavior	<a href="#">Transfer Guide</a>

**SPRING SEMESTER (14 credits)**

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
OEAS 306	
OEAS 307 (1 credit)	
OEAS 451	
MATH 307	MTH 267 or 279*
Human Creativity	<a href="#">Transfer Guide</a>

**YEAR 4 - SENIOR (31 CREDITS)**

**FALL SEMESTER (16 credits)**

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
OEAS 441(Meets Oral Communication)	
OEAS 405	
OEAS 406 (1 credit)	
OEAS 415	
Philosophy and Ethics	<a href="#">Transfer Guide</a>
<u>Upper Division Gen. Ed. Coursework:**</u>	
300-/400-level course (Option D)	

**SPRING SEMESTER (15 credits)**

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
OEAS 442W	
PHYS 319	
STAT 437	
Option A, B or C course**	
<u>Upper Division Gen. Ed. Coursework:**</u>	
300-/400-level course (Option D)	

\*\*Please consult with catalog and advisor for appropriate coursework.

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.