

**2023 - 2024 Old Dominion University Catalog**  
**Bachelor of Science in Ocean and Earth Science with a Major in Chemical Oceanography (BS)**  
**(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)**

**SPRING SEMESTER (14 credits)**

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ENGL 110C	ENG 111*	ENGL 211C or 231C	ENG 112, 210, 115 or 131*
CHEM 121N and 122N (4 credits)	CHM 111*	CHEM 123N and 124N (4 credits)	CHM 112*
MATH 211 (4 credits)	MTH 173, 263 or 273*	MATH 212 (4 credits)	MTH 174, 264, or 274*
OEAS 111N (4 credits)	GOL 105*	OEAS 130G (Meets Info Literacy and Research)	
Language and Culture I (May be waived; see catalog for details)	<a href="#">Transfer Equivalency Guide</a>	Language and Culture II (May be waived; see catalog for details)	<a href="#">Transfer Equivalency Guide</a>

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

**FALL SEMESTER (15 credits)**

**SPRING SEMESTER (15 credits)**

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
BIOL 121N & 122N (4 credits)	BIO 101*	BIOL 123N & 124N (4 credits)	BIO 102*
CHEM 211	CHEM 242*	OEAS 406	
PHYS 231N (4 credits)	PHY 221, 231 or 241*	PHYS 232N (4 credits)	PHY 222, 232 or 242*
Human Behavior	<a href="#">Transfer Equivalency Guide</a>	CHEM 213	
Human Creativity	<a href="#">Transfer Equivalency Guide</a>	Impact of Technology	<a href="#">Transfer Equivalency Guide</a>

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

**FALL SEMESTER (16 credits)**

**SPRING SEMESTER (14 credits)**

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
Upper Division Chemistry Elective		STAT 310	
Upper Division Chemistry Elective		OEAS 306	
Interpreting the Past	<a href="#">Transfer Equivalency Guide</a>	OEAS 307 (1 credit)	
Literature	<a href="#">Transfer Equivalency Guide</a>	OEAS 310 (4 credits)	
Philosophy and Ethics	<a href="#">Transfer Equivalency Guide</a>	Upper-Division Chemistry elective**	

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

**FALL SEMESTER (15 credits)**

**SPRING SEMESTER (15 credits)**

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
OEAS 441 (Meets Oral Communication)		OEAS 410	
OEAS 400-level elective**		OEAS 400-level elective** (4 credits)	
Upper-Division Chemistry elective**		OEAS 442W	
<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 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 231C, and a writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.*

*This four-year plan is a suggested curriculum to complete this degree program in four years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.*