

**2021 - 2022 Old Dominion University Catalog**  
**Bachelor of Science in Ocean and Earth Science**  
**Chemical 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)**

**SPRING SEMESTER (14 credits)**

General Education and Major Coursework:

ENGL 110C  
 CHEM 121N and 122N (4 credits)

Literature  
 Human Creativity  
 Language and Culture I (May be waived; see catalog for details)

VCCS Equivalency:

ENG 111\*  
 CHM 111\*  
[Transfer Guide](#)  
[Transfer Guide](#)  
[Transfer Guide](#)

General Education and Major Coursework:

ENGL 211C or 231C  
 CHEM 123N and 124N (4 credits)  
 MATH 211 (4 credits)

Language and Culture II (May be waived; see catalog for details)

VCCS Equivalency:

ENG 112, 210, 115 or 131\*  
 CHM 112\*  
 MTH 173, 263 or 273\*

[Transfer Guide](#)

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

**FALL SEMESTER (15 credits)**

**SPRING SEMESTER (15 credits)**

General Education and Major Coursework:

BIOL 121N & 122N (4 credits)  
 MATH 212 (4 credits)  
 PHYS 231N (4 credits)

Interpreting the Past

VCCS Equivalency:

BIO 101\*  
 MTH 174, 264, or 274\*  
 PHY 221, 231 or 241\*  
[Transfer Guide](#)

General Education and Major Coursework:

BIOL 123N & 124N (4 credits)  
 OEAS 111N (4 credits)  
 PHYS 232N (4 credits)

Impact of Technology

VCCS Equivalency:

BIO 102\*  
 GOL 105\*  
 PHY 222, 232 or 242\*

[Transfer Guide](#)

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

**FALL SEMESTER (16 credits)**

**SPRING SEMESTER (14 credits)**

General Education and Major Coursework:

OEAS 310 (4 credits)  
 STAT 310  
 CHEM 211  
 Upper-Division Chemistry elective\*\*  
 OEAS 130G (Meets Info Literacy and Research)

VCCS Equivalency:

CHM 242\*

Major Coursework:

CHEM 213  
 OEAS 306  
 OEAS 307 (1 credit)  
 OEAS 406 (1 credit)  
 Upper-Division Chemistry elective\*\*  
 Philosophy and Ethics

VCCS Equivalency:

[Transfer Guide](#)

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

**FALL SEMESTER (15 credits)**

**SPRING SEMESTER (15 credits)**

General Education and Major Coursework:

OEAS 441 (Meets Oral Communication)  
 OEAS 400-level elective\*\*  
 Upper-Division Chemistry elective\*\*  
 Human Behavior  
Upper Division Gen. Ed. Coursework: \*\*  
 300-/400-level course (Option D)

VCCS Equivalency:

[Transfer Guide](#)

Major Coursework:

OEAS 410  
 OEAS 400-level elective\*\* (4 credits)  
 OEAS 442W  
 Upper-Division Chemistry elective lab\*\* (2 credits)  
Upper Division Gen. Ed. Coursework:\*\*  
 300-/400-level course (Option D)

VCCS Equivalency:

\*\*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 221C 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.