

**2015 - 2016 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.*

**YEAR 1 - FRESHMAN (33 CREDITS)**

| <b>FALL SEMESTER (16 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<br>(May be waived, see catalog for details) | <a href="#">Transfer Guide</a>   | Language and Culture II<br>(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*                  |
| Elective (2 credits)**   |                                  | BIOL 123N & 124N (4 credits)  | <a href="#">Transfer Guide</a> * |

**YEAR 2 - SOPHOMORE (27 CREDITS)**

| <b>FALL SEMESTER (14 credits)</b>              |                                | <b>SPRING SEMESTER (13 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                                       | CHM 241*                       |

**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)                 |                          |
| OEAS Elective**                   |                          | OEAS 410 (4 credits)                |                          |
| PHYS 231N (4 credits)             | PHY 221, 231 or 241*     | PHYS 232N (4 credits)               | PHY 222, 232 or 242*     |
| STAT 310                          |                          | CHEM 351                            |                          |
| OEAS 310                          |                          | OEAS 306                            |                          |

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

| <b>FALL SEMESTER (15 credits)</b>              |                                | <b>SPRING SEMESTER (14 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> |
| <u>Major Coursework:</u>                       |                                | <u>Major Coursework:</u>                       |                                |
| CHEM 441                                       |                                | CHEM 333                                       |                                |
| CHEM 331                                       |                                | OEAS 442W                                      |                                |
| OEAS Elective**                                |                                | CHEM 332W or CHEM 452 (2 credits)              |                                |
| <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.

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.