

# Bachelor of Science

## Ocean and Earth Science with a Major in Biological Oceanography (BS)

### Degree Program Guide

The Degree Program Guide 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.

| Course   | Title   | Credit Hours |
|--|---|--------------|
| <b>Freshman</b>  |   |              |
| <b>Fall</b>  |   |              |
| ENGL 110C  | English Composition   | 3            |
| BIOL 121N and BIOL 122N  |   | 4            |
| OEAS 111N  | Physical Geology  | 4            |
| Literature   |   | 3            |
| Language & Culture I (May be waived; See requirement details)              |   | 3            |
| <b>Credit Hours</b>  |   | <b>17</b>    |
| <b>Spring</b>  |   |              |
| BIOL 123N and BIOL 124N  |   | 4            |
| ENGL 211C<br>or ENGL 231C  | Writing, Rhetoric, and<br>Research<br>or Writing, Rhetoric, and<br>Research: Special Topics | 3            |
| MATH 211   | Calculus I  | 4            |
| Elective or Language & Culture II (May be waived; See requirement details) |   | 2-3          |
| <b>Credit Hours</b>  |   | <b>13-14</b> |
| <b>Sophomore</b>   |   |              |
| <b>Fall</b>  |   |              |
| CHEM 121N and CHEM 122N  |   | 4            |
| PHYS 231N  | University Physics I  | 4            |
| MATH 212   | Calculus II   | 4            |
| OEAS 130G (Meets Information Literacy and Research)                        |   | 3            |
| <b>Credit Hours</b>  |   | <b>15</b>    |
| <b>Spring</b>  |   |              |
| CHEM 123N AND CHEM 124N  |   | 4            |
| PHYS 232N  | University Physics II   | 4            |
| Impact of Technology   |   | 3            |
| Interpreting the Past  |   | 3            |
| <b>Credit Hours</b>  |   | <b>14</b>    |
| <b>Junior</b>  |   |              |
| <b>Fall</b>  |   |              |
| CHEM 211 and CHEM 212  |   | 5            |
| BIOL 292   | Evolution   | 3            |
| Human Creativity   |   | 3            |
| Philosophy and Ethics  |   | 3            |
| <b>Credit Hours</b>  |   | <b>14</b>    |

|  |   |                |
|--|---|----------------|
| <b>Spring</b>                                      |   |                |
| CHEM 213   | Organic Chemistry II Lecture  | 3              |
| OEAS 306   | Oceanography  | 3              |
| OEAS 307   | Oceanography Laboratory   | 1              |
| OEAS 310   | Global Earth Systems  | 4              |
| OEAS 406   | Matlab  | 1              |
| STAT 310   | Introductory Data Analysis  | 3              |
| <b>Credit Hours</b>                                |   | <b>15</b>      |
| <b>Senior</b>                                      |   |                |
| <b>Fall</b>  |   |                |
| CHEM 441   | Biochemistry Lecture  | 3              |
| OEAS 440   | Biological Oceanography   | 4              |
| OEAS 441   | Ocean and Earth Sciences<br>Field Study I (Meets Oral<br>Communication) | 3              |
| OEAS elective                                      |   | 3              |
| Upper-Division General Education Course (Option D) |   | 3              |
| <b>Credit Hours</b>                                |   | <b>16</b>      |
| <b>Spring</b>                                      |   |                |
| OEAS 442W  | Ocean and Earth Sciences Field<br>Study II                              | 3              |
| BIOL 415W or OEAS 451W                             |   | 4-5            |
| OEAS Elective                                      |   | 3              |
| Upper-Division General Education Course (Option D) |   | 3              |
| Human Behavior                                     |   | 3              |
| <b>Credit Hours</b>                                |   | <b>16-17</b>   |
| <b>Total Credit Hours</b>                          |   | <b>120-122</b> |