

# Bachelor of Science

# Ocean and Earth

# Science with a Major in

# Environmental Sciences

# (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 (C or better required)	3
OEAS 111N or OEAS 112N	Physical Geology or Historical Geology	4
BIOL 121N and BIOL 122N		4
Literature		3
<b>Credit Hours</b>		<b>14</b>
<b>Spring</b>		
MATH 205 or MATH 211	Calculus for Life Sciences or Calculus I	3-4
ENGL 211C or ENGL 231C	Writing, Rhetoric, and Research (C or better required) or Writing, Rhetoric, and Research: Special Topics	3
Interpreting the Past		3
BIOL 123N and BIOL 124N		4
Oral Communication ( <a href="https://catalog.odu.edu/undergraduate/requirements-undergraduate-degrees/#oral">https://catalog.odu.edu/undergraduate/requirements-undergraduate-degrees/#oral</a> )		3
<b>Credit Hours</b>		<b>16-17</b>
<b>Sophomore</b>		
<b>Fall</b>		
CHEM 121N and CHEM 122N		4
OEAS 130G	Research Skills and Information Literacy for the Natural Sciences (Meets Information Literacy and Research)	3
OEAS 320 or BIOL 291	Sedimentology and Stratigraphy or Ecology	4
PHYS 111N or PHYS 231N	Introductory General Physics or University Physics I	4
<b>Credit Hours</b>		<b>15</b>
<b>Spring</b>		
CHEM 123N and CHEM 124N		4
OEAS 220T	Introduction to Meteorology (Meets Impact of Technology)	3
Philosophy and Ethics		3

PHYS 112N or PHYS 232N	Introductory General Physics or University Physics II	4
<b>Credit Hours</b>		<b>14</b>
<b>Junior</b>		
<b>Fall</b>		
OEAS 306	Oceanography	3
OEAS 307	Research Experience in Oceanography	3
OEAS 300/400-level elective		3
Human Behavior		3
Elective or Language and Culture if required		3
<b>Credit Hours</b>		<b>15</b>
<b>Spring</b>		
OEAS 310	Global Earth Systems	4
STAT 310	Introductory Data Analysis	3
OEAS 406	Matlab	1
OEAS 300/400-level elective		4
Elective or Language and Culture if required		3
<b>Credit Hours</b>		<b>15</b>
<b>Senior</b>		
<b>Fall</b>		
OEAS 300/400-level elective		3
OEAS 300/400-level elective		4
Human Creativity		3
Upper-Division General Education Course (Option D)		3
Elective		3
<b>Credit Hours</b>		<b>16</b>
<b>Spring</b>		
GEOG 402	Geographic Information Systems	3
Upper-Division General Education Course (Option D)		3
OEAS 300/400-level elective		3
Elective		6
<b>Credit Hours</b>		<b>15</b>
<b>Total Credit Hours</b>		<b>120-121</b>