

Bachelor of Science

Ocean and Earth Science

with a Major in Physical 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
Freshman		
Fall		
ENGL 110C	English Composition	3
BIOL 121N and BIOL 122N		4
OEAS 111N	Physical Geology	4
Literature		3
Elective or Language & Culture I (May be waived; See requirement details)		3
Credit Hours		17
Spring		
BIOL 123N and BIOL 124N		4
ENGL 211C or ENGL 231C	Writing, Rhetoric, and Research or Writing, Rhetoric, and Research: Special Topics	3
MATH 211	Calculus I	4
Elective or Language & Culture II (May be waived; See requirement details)		2-3
Credit Hours		13-14
Sophomore		
Fall		
CHEM 121N and CHEM 122N		4
PHYS 231N	University Physics I	4
MATH 212	Calculus II	4
OEAS 130G	Research Skills and Information Literacy for the Natural Sciences (Meets Information Literacy and Research)	3
Credit Hours		15
Spring		
CHEM 123N AND CHEM 124N		4
PHYS 232N	University Physics II	4
Impact of Technology		3
Interpreting the Past		3
Credit Hours		14
Junior		
Fall		
STAT 310	Introductory Data Analysis	3
GEOG 402	Geographic Information Systems	3

Option A, B or C Course		3
Human Behavior		3
MATH 307 or MATH 280	Ordinary Differential Equations or Transfer Credit for Ordinary Differential Equations	3
Credit Hours		15
Spring		
OEAS 306	Oceanography	3
OEAS 307	Oceanography Laboratory	1
OEAS 310	Global Earth Systems	4
PHYS 319	Analytical Mechanics	3
Human Creativity		3
Credit Hours		14
Senior		
Fall		
OEAS 405	Physical Oceanography	3
OEAS 406	Matlab	1
OEAS 441	Ocean and Earth Sciences Field Study I (Meets Oral Communication)	3
OEAS 415 or OEAS 435	Waves and Tides or Introduction to Ocean Modeling and Prediction	3
Philosophy and Ethics		3
Upper-Division General Education Course (Option D)		3
Credit Hours		16
Spring		
OEAS 442W	Ocean and Earth Sciences Field Study II	3
OEAS 451W	Data Collection and Analysis in Oceanography	4
STAT 437	Applied Regression and Time Series Analysis	3
Option A, B or C Course		3
Upper-Division General Education Course (Option D)		3
Credit Hours		16
Total Credit Hours		120-121