

**STUDENTS ENTERING IN 2020
OCEANOGRAPHY MAJOR
CURRICULUM ROADMAP**

REVISED 10/15/21
Subject to Change

Total Units: 120

FALL 2020

Lifelong Learning & Self-Development Elective (Area E)	3.0
CHE 110 General Chemistry I* (Area B1)	3.0
CHE 110L General Chemistry I Lab* (Area B3)	1.0
EGL 100 English Composition (Area A2) "G4"	3.0
OCN 100 Marine Biology* (Area B2)	3.0
OCN 100L Marine Biology Lab* (Area B3)	1.0
PE 101 Swim Competency Exam	0.0
PE 102 Beginning/Intermediate Swimming	(0.5)

Total 14.0

FALL 2021

EGL 110 Speech Communication (Area A1) "G4"	3.0
GOV 200 American Government	3.0
[American Institutions II Elective] (Area D-Lower Div)	
MTH 107 Elementary Statistics* (Area B4) "G4"	3.0
OCN 200 Intro to Ocean. I: Geo & Chem* (Area B1)	3.0
PHY 100 Physics I* (Area B1)	3.0
PHY 100L Physics I Lab* (Area B3)	1.0

Total 16.0

FALL 2022

Free Elective	3.0
Humanities Elective (Area C)	3.0
COM 210 Programming for Scientific Computing*	2.0
COM 210L Oceanography Computer Prog. Lab*	1.0
OCN 305 Intro to Ocean Science Research*	1.0
OCN 320 Oceans and Climate* (Area B1-Upper Div)	3.0
OCN 330 Marine Microbial Ecology*	3.0

Total 16.0

FALL 2023

Arts Elective (Area C1-Lower Div)	3.0
OCN Upper Division Elective**	3.0
EGL 301 Project-Based Writing for Science♦	3.0
OCN 340 Chemical Oceanography*	3.0

Total 12.0

SPRING 2021

CHE 210 General Chemistry II*	3.0
CHE 210L General Chemistry II Lab*	1.0
EGL 220 Critical Thinking	3.0
[Critical Thinking Elective] (Area A3) "G4"	
MTH 210 Calculus I* (Area B4)	4.0
OCN 110 Marine Ecology* (Area B2)	3.0
OCN 110L Marine Ecology Lab* (Area B3)	1.0

Total 15.0

SPRING 2022

American Institutions I Elective (Area D-Lower Div) OR (Area F)	3.0
Humanities Elective (Area C2-Lower Div)	3.0
OCN 200L Intro to Oceanography Lab* (Area B3)	1.0
OCN 210 Intro to Ocean. II: Bio & Phys* (Area B1)	3.0
PHY 105 General Physics II* (Area B1)	3.0
PHY 105L General Physics II Lab* (Area B3)	1.0

Total 14.0

SPRING 2023

Ethics Elective* (Area C2-Upper Div)	3.0
GMA 320 Ocean Environmental Mgmt (Area D-Upper Div)	3.0
OCN 310 Oceanographic Instruments and Analysis*	2.0
OCN 310L Oceanographic Instruments and Analysis Lab*	1.0
OCN 350 Physical Oceanography*	3.0

Total 12.0

SUMMER 2023

OCN 300 Global Education: OCN*+	3.0
OCN 380 Directed Research/Co-Op*++	1.0
OCN 380L Directed Research/Co-Op Lab*++	2.0

Total 6.0

Total 15.0

"G4" "Golden 4" Courses (Must receive a "C-" or higher)

♦ Meets CSU Graduate Writing Assessment Requirement (GWAR) (Must receive a "C-" or higher)

* Courses in Major (Must receive a "C-" or higher)

** Elective Courses in Major (CGPA = 2.0 is required)

+OCN 300 Global Education: OCN will occur in summer of junior or senior year.

++OCN 380 Directed Research/Co-Op and OCN 380L Directed Research/Co-Op Lab may be completed in spring or summer of junior year.