

STUDENTS ENTERING IN 2025 OCEANOGRAPHY MAJOR CURRICULUM ROADMAP

11/13/24
Subject to Change

Total Units: 120

FALL 2025

CHE 110	General Chemistry I*	(Area 5A-Lower Div)	3.0
CHE 110L	General Chemistry I Lab*	(Area 5C-Lower Div)	1.0
EGL 100	English Composition	(Area 1A) "G4"	3.0
OCN 100	Marine Biology*	(Area 5B-Lower Div)	3.0
OCN 100L	Marine Biology Lab*	(Area 5C-Lower Div)	1.0
OCN 101	OCN First-Year Seminar*		1.0
PE 101	Swim Competency Exam		0.0
PE 102	Beginning/Intermediate Swimming		1.0
Total 12.0			

FALL 2026

EGL 110	Speech Communication	(Area 1C) "G4"	3.0
GOV 200	American Government		3.0
	[American Institutions II Elective]	(Area 4-Lower Div)	
MTH 107	Elementary Statistics*	(Area 2-Lower Div) "G4"	3.0
OCN 200	Intro to Oceanography I: Geo & Chem*	(Area 5A-Lower Div)	3.0
OCN 200L	Intro to Oceanography Lab*		1.0
PHY 100	Physics I*	(Area 5A-Lower Div)	3.0
PHY 100L	Physics I Lab*	(Area 5C-Lower Div)	1.0
Total 17.0			

FALL 2027

Free Elective			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 5-Upper Div)	3.0
OCN 330	Marine Microbial Ecology*		3.0
Total 13.0			

FALL 2028

Arts Elective (Area 3A-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 2026

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 1B) "G4"		
MTH 210	Calculus I* (Area 2-Lower Div)	4.0
OCN 110	Marine Ecology* (Area 5B-Lower Div)	3.0
OCN 110L	Marine Ecology Lab* (Area 5C-Lower Div)	1.0
		Total 15.0

SPRING 2027

American Institutions I Elective (Area 4-Lower Div) <u>OR</u> (Area 6)	3.0
Humanities Elective (Area 3B-Lower Div)	3.0
COM 107 R Studio*	1.0
OCN 210 Intro to Oceanography II: Bio & Phys* (Area 5A-Lower Div)	3.0
OCN 210L Intro to Oceanography Lab II*	1.0
PHY 105 General Physics II* (Area 5A-Lower Div)	3.0
PHY 105L General Physics II Lab* (Area 5C-Lower Div)	1.0
Total	15.0

SPRING 2028

Free Elective		3.0
Ethics Elective (Area 3-Upper Div)		3.0
GMA 320	Ocean Environmental Mgmt (Area 4-Upper Div)	3.0
OCN 310	Oceanographic Instruments and Analysis*	2.0
OCN 310L	Oceanographic Instruments and Analysis Lab*	1.0
OCN 360	Marine Geology*	3.0
Total		15.0

SUMMER 2028

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		

SPRING 2029

Free Elective	3.0
OCN Upper Division Elective**	3.0
OCN Upper Division Elective**	3.0
Social Science Elective (Area 4-Lower Div)	3.0
OCN 350 Physical Oceanography*	3.0

English Communication

Mathematical Concepts and Quantitative Reasoning

Arts and Humanities

Social and Behavioral Sciences

Physical and Biological Sciences

Ethnic Studies

"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 (CGPA = 2.0 is required)

** 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.