

**STUDENTS ENTERING IN 2021
OCEANOGRAPHY MAJOR
CURRICULUM ROADMAP**

REVISED 06/13/23
Subject to Change

Total Units: 120

FALL 2021

| | |
|--|-------|
| 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

SPRING 2022

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|---|-----|
| 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" | 3.0 |
| 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

FALL 2022

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

Total 16.0

SPRING 2023

| | |
|---|-----|
| 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* | 3.0 |
| PHY 105 General Physics II* (Area B1) | 3.0 |
| PHY 105L General Physics II Lab* (Area B3) | 1.0 |

Total 14.0

FALL 2023

| | |
|---|-----|
| 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

SPRING 2024

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|--|-----|
| 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 2024

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|---|-----|
| 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

FALL 2024

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|--|-----|
| 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 2025

| | |
|---|-----|
| Free Elective | 3.0 |
| Free Elective | 3.0 |
| OCN Upper Division Elective** | 3.0 |
| OCN Upper Division Elective** | 3.0 |
| Social Science Elective (Area D-Upper or Lower Div) | 3.0 |

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 (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.