

**STUDENTS ENTERING IN 2022  
OCEANOGRAPHY MAJOR  
CURRICULUM ROADMAP**

**REVISED 06/13/23**  
**Subject to Change**

**Total Units: 120**

**FALL 2022**

|  |       |
|--|-------|
| 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 2023**

|   |     |
|---|-----|
| 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 2023**

|  |     |
|--|-----|
| 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 Oceanography 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 2024**

|   |     |
|---|-----|
| 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 Oceanography 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 2024**

|   |     |
|---|-----|
| 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 2025**

|  |     |
|--|-----|
| 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 2025**

|   |     |
|---|-----|
| 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 2025**

|  |     |
|--|-----|
| 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 2026**

|   |     |
|---|-----|
| 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.