

# OCEANOGRAPHY MINOR

<https://ceps.unh.edu/earth-sciences/program/minor/oceanography>

## Description

The minor in oceanography is available to students interested in obtaining a broad background in oceanography.

All courses in the program are selected in consultation with the oceanography minor advisor, [Dr. Jamie Pringle \(jpringle@unh.edu\)](mailto:jpringle@unh.edu), (603) 862-5000.

## Requirements

Academic policies related to Minors.

Credit toward the minor will only be given for courses passed with C- or better, and a 2.00 grade-point average must be maintained in courses for the minor.

- Courses taken on a pass/fail basis may not be used for a minor.
- No more than 8 credits used to satisfy major requirements may be used for the minor.
- No more than 2 courses or 8 credits may be from transfer coursework. Any transferred coursework must be approved by the minor coordinator.

For additional details on how to declare a minor, please visit <https://www.unh.edu/registrar/academic-records/majors-minors>.

| Code                                      | Title   | Credits |
|---|---|---------|
| <b>Required Courses</b>                   |   |         |
| ESCI 501                                  | Introduction to Oceanography                              | 4       |
| Select two of the following:              |   | 6-8     |
| ESCI 752                                  | Chemical Oceanography                                     |         |
| ESCI 758                                  | Introductory Physical Oceanography                        |         |
| ESCI 759                                  | Geological Oceanography                                   |         |
| MEFB 755                                  | Biological Oceanography                                   |         |
| Select two of the following: <sup>1</sup> |   | 6-8     |
| MEFB 401                                  | Marine Estuarine and Freshwater Biology: Freshmen Seminar |         |
| MEFB 403                                  | Investigative Marine Biology Laboratory                   |         |
| MEFB 503                                  | Introduction to Marine Biology                            |         |
| MEFB 508                                  | Marine Ecosystem Research and Management                  |         |
| MEFB 530                                  | Evolution and Marine Diversity                            |         |
| MEFB 535                                  | Marine Mammal Biology                                     |         |
| MEFB 625                                  | Introduction to Marine Botany                             |         |
| MEFB 674                                  | Ecology and Marine Environment                            |         |
| MEFB 702                                  | Sustainable Marine Fisheries                              |         |
| MEFB 725                                  | Marine Ecology  |         |
| MEFB 754                                  | Anatomy and Function of Marine Vertebrates                |         |
| CEE 722                                   | Introduction to Marine Pollution and Control              |         |
| ESCI 502                                  | Beaches and Coasts  |         |
| ESCI 514                                  | Introduction to Climate                                   |         |
| ESCI 701                                  | Quantitative Methods in Earth Sciences                    |         |
| ESCI 720                                  | Ocean Measurements Lab                                    |         |
| ESCI 747                                  | Aqueous Geochemistry                                      |         |
| ESCI 754                                  | Sedimentology   |         |
| ESCI 756                                  | Geotectonics  |         |
| ESCI 765                                  | Paleoclimatology  |         |
| ESCI/OE 771                               | Positioning for Ocean Mapping                             |         |
| OE 490                                    | Introduction to Ocean Engineering                         |         |
| OE 610                                    | Ocean Instrumentation Lab                                 |         |
| OE 753                                    | Ocean Hydrodynamics                                       |         |

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|----------------------|--|
| OE 754               | Ocean Waves and Tides                          |
| OE 757               | Coastal Engineering and Processes              |
| TECH 797             | Undergraduate Ocean Research Project           |
| ZOOL 610             | Principles of Aquaculture                      |
| ZOOL 710             | Sharks and Bony Fishes                         |
| MEFB 772             | Fisheries Biology: Conservation and Management |
| MEFB 628             | Marine Invertebrate Evolution and Ecology      |
| MEFB 773             | Physiology of Fishes                           |
| <b>Total Credits</b> | <b>at least 18</b>                             |

<sup>1</sup> Or a suitable substitute approved by the minor advisor (at least one of these courses should be in the biological sciences).