Marine Science (Minor)

To see more about what you will learn in this program, visit the Learning Outcomes website (https://apps.oirp.ncsu.edu/pgas/).

The Department of Marine, Earth and Atmospheric Sciences offers a Minor in Marine Science to majors in any field except marine science or natural resources with a concentration in marine and coastal resources. The minor provides a means of recognition for students who desire a deeper understanding of the world's ocean.

Requirements for Admission and Completion of the Minor

- Students must have completed MEA 200 Introduction to Oceanography with a letter grade of C or better and have a GPA of 2.5 or above to be admitted into the minor.
- For completion, students must complete MEA 200 Introduction to Oceanography, MEA 210 Oceanography Lab and MEA 250 Introduction to Coastal Environments and at least 9 additional credit hours from the list of minor elective courses. All course work must be letter-graded and completed with a C or better.

Admissions

Students must have completed MEA 200 Introduction to Oceanography with a letter grade of C or better and have a GPA of 2.5 or above to be admitted into the minor. To officially enroll in the Minor program, students should see Dr. Carrie Thomas, 4136 Jordan Hall, 919.515.7839, cjthomas@ncsu.edu.

Contact Person

Carrie Thomas
Room 4136 Jordan Hall
919-515-7839
cjthomas@ncsu.edu

SIS Code: 17MRM

Plan Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MEA 200</td>
<td>Introduction to Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>MEA 210</td>
<td>Oceanography Lab</td>
<td>1</td>
</tr>
<tr>
<td>MEA 250</td>
<td>Introduction to Coastal Environments</td>
<td>3</td>
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Elective Courses

Select three of the following:

- MEA 220 Marine Biology
- MEA 251 Introduction to Coastal Environments Laboratory
- MEA 252 Biology of Marine Mammals (Semester @ CMAST course)
- MEA 323 Geochemistry of Natural Waters
- MEA 350 Marine Conservation Biology (Semester @ CMAST course)
- MEA 411 Marine Sediment Transport
- MEA 449 Principles of Biological Oceanography
- MEA 454 Marine Physical-Biological Interactions
- MEA 459 Field Investigation of Coastal Processes
- MEA 460 Principles of Physical Oceanography
- MEA 462 Observational Methods and Data Analysis in Marine Physics
- MEA 463 Fluid Physics
- MEA 464 Ocean Circulation Systems
- MEA 467 Marine Meteorology
- MEA 469 Ecology of coastal Resources
- MEA 470 Introduction to Geophysics
- MEA 471 Exploration and Engineering Geophysics
- MEA 473 Principles of Chemical Oceanography
- MEA 476 Worldwide River and Delta Systems: Their Evolution and Human Impacts
- MEA 493 Special Topics in MEAS
- MEA 570 Geological Oceanography

Total Hours: 16

1 Enrollment in special topics courses should be approved by the minor coordinator in advance to ensure they are appropriate and relevant to the minor.