## MINOR IN MARINE SCIENCE

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MSC 111</td>
<td>Introduction to Marine Science</td>
<td>3</td>
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<tr>
<td>MSC 112</td>
<td>Introduction to Marine Science Lab ¹</td>
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Select 12 credit hours of electives in Marine Science: ² 12

- MSC 215 Chemical Oceanography
- MSC 216 Chemical Oceanography Laboratory
- MSC 217 Physical and Chemical Processes in Coastal Ecosystems
- MSC 218 Biological Oceanography
- MSC 220 Climate and Global Change
- MSC 222 The Earth’s Climate: Past and Future
- MSC 230 Introduction to Marine Biology
- MSC 232 Introduction to Marine Biology Laboratory
- MSC 240 Introduction to Marine Geology
- MSC 264 Tropical Coastal Ecosystems
- MSC 265 Tropical Coastal Ecosystems: Lab and Field Methods
- MSC 301 Introduction to Physical Oceanography
- MSC 302 Introduction to Physical Oceanography Lab
- MSC 310 Living Resources of the Ocean
- MSC 316 Global Primary Production
- MSC 317 Earth’s Biogeochemistry
- MSC 318 Ecological Genetics
- MSC 319 Research Fundamentals
- MSC 321 Scientific Programming in the Atmospheric Sciences
- MSC 323 Invertebrate Zoology
- MSC 324 Biology of Fishes
- MSC 325 Biological Oceanographic Techniques
- MSC 326 Marine Genomics
- MSC 327 Marine Animal Neurophysiology and Behavior
- MSC 328 Introduction to Aquaculture
- MSC 329 Marine Vertebrate Zoology
- MSC 333 Ocean Human Health
- MSC 346 Climate Science and Policy
- MSC 347 Polar Science and Policy
- MSC 350 Survey of Marine Mammals
- MSC 351 Physical-Biological Interaction in Ocean Ecosystems I
- MSC 352 Physical-Biological Interaction in Ocean Ecosystems II
- MSC 355 Limnology
- MSC 364 Life in Moving Fluids
- MSC 371 Readings in Marine Science
- MSC 380 Field Studies In Marine And Aquatic Science
- MSC 381 Marine Field Ornithology
- MSC 403 Marine Environmental Toxicology
- MSC 404 Marine Org. & Env Health
- MSC 410 Marine Conservation Science
- MSC 415 Coral Reef Science and Management
- MSC 417 Marine Biota And Biogeochemical Cycles
- MSC 432 Comparative Ecology of Terrestrial and Marine Systems
- MSC 462 Marine Biomedicine
- MSC 463 Marine Conservation Genetics
- MSC 464 Marine Comparative Immunology Lab
- MSC 465 Marine Comparative Immunology
- MSC 466 Environmental Physiology: Oxygen, Water And Ionoregulatory Stress

Approved MSC 372 and 500-level classes offered by the Rosenstiel School

Total Credit Hours 16

¹ For students in the College of Engineering that take the MSC 111 section for Engineers you will be waived from the MSC 112 requirement.

² At least 6 of which must be at the 300-level or higher.

* Students majoring in the School of Marine and Atmospheric Science should replace MSC 111 and MSC 112 with an additional elective, and all electives must be above and beyond those used for the major. The Marine Science minor fulfills the requirements of a STEM cognate. Only those courses passed with a grade of “C-” or higher may be applied to the major or minor.