# MINOR IN MARINE SCIENCE

## Curriculum Requirements

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

MSC 203  Foundations of Computational Marine Science
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 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 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 355  Limnology
MSC 364  Life in Moving Fluids
MSC 365  Tropical Coastal Ecosystems: Lab and Field Methods
MSC 366  Tropical Coastal Ecosystems
MSC 371  Readings in Marine Science
MSC 380  Field Studies in Marine and Aquatic Science
MSC 381  Marine Field Ornithology
MSC 401  Ocean Dynamics
MSC 402  Ocean Acidification
MSC 403  Marine Environmental Toxicology
MSC 404  Marine Organismal and Environmental Health
MSC 410  Marine Conservation Science
MSC 415  Coral Reef Science and Management
MSC 417  Marine Biota and Biogeochemical Cycles
MSC 419  Microbial Geochemistry of the Ocean
### Minor in Marine Science

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>MSC 432</td>
<td>Comparative Ecology of Terrestrial and Marine Systems</td>
</tr>
<tr>
<td>MSC 462</td>
<td>Marine Biomedicine</td>
</tr>
<tr>
<td>MSC 463</td>
<td>Conservation Genomics</td>
</tr>
<tr>
<td>MSC 464</td>
<td>Marine Comparative Immunology Lab</td>
</tr>
<tr>
<td>MSC 465</td>
<td>Marine Comparative Immunology</td>
</tr>
<tr>
<td>MSC 466</td>
<td>Experimental Physiology</td>
</tr>
<tr>
<td>MSC 467</td>
<td>Marine Animal Neurophysiology and Behavior</td>
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</tbody>
</table>

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

**Total Credit Hours**

16

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

* Students majoring in the RSMAS Undergraduate Program should replace MSC 111 and MSC 112 with an additional elective, and all electives must be above and beyond those used for the major.

** Only those courses passed with a grade of “C-“ or higher may be applied to the major or minor. The Marine Science minor fulfills the requirements of the STEM cognate.