

# Marine Science Associate of Science Degree Requirements Checklist

**18 required units towards the 60 unit degree (Effective Fall 2023)**

### Marine Science Required Courses: *Need to complete each of the following courses*

<input type="checkbox"/> MRSC A100 Oceanography / MRSC A100H Oceanography Honors	3.0
<input type="checkbox"/> MRSC A100L Oceanography Lab / MRSC A100H Ocean Lab Honors	1.0
<input type="checkbox"/> MRSC A180 Marine Biology	3.0
<input type="checkbox"/> MRSC A180L Marine Biology Lab	1.0
<input type="checkbox"/> MRSC A185 Coastal Oceanography	3.0
<input type="checkbox"/> MRSC A185L Coastal Oceanography Lab	1.0

### Marine Science Elective Courses: *Complete at least 3 units of MRSC Electives. You may also complete the remainder of your 18 required units with Marine Science Electives OR you can supplement with the General Elective courses below.*

<input type="checkbox"/> MRSC A119 Ocean Conservation & Community Science	3.0
<input type="checkbox"/> MRSC A120 Marine Aquarium Science	2.0
<input type="checkbox"/> MRSC/ESEC A121 Marine Intertidal Ecology	1.0
<input type="checkbox"/> MRSC/ESEC A124 Ecology of the Gray Whale	1.0
<input type="checkbox"/> MRSC A130 Husbandry of Aquatic Organisms	2.0
<input type="checkbox"/> MRSC A140 Aquarium Life Support Operations & Maintenance	2.0
<input type="checkbox"/> MRSC A187 Marine Mammals	3.0
<input type="checkbox"/> MRSC A188 Marine Mammals Field Studies	1.0
<input type="checkbox"/> MRSC A190 Marine Research & Monitoring Techniques	3.0
<input type="checkbox"/> MRSC A220 Practical Experience in Aquarium Science & Management I	2.0
<input type="checkbox"/> MRSC A221 Practical Experience in Aquarium Science & Management II	2.0
<input type="checkbox"/> MRSC A222 Practical Experience in Aquarium Science & Management III	2.0
<input type="checkbox"/> MRSC A223 Practical Experience in Aquarium Science & Management IV	2.0
<input type="checkbox"/> MRSC A287: Introduction to Marine Mammal Rescue & Rehabilitation	1.0
<input type="checkbox"/> MRSC A288: Survey of Marine Mammal Research & Techniques	1.0
<input type="checkbox"/> MRSC A291 / A292: Directed Studies	1.0 - 2.0

### General Elective Courses: *If you cannot meet all of the required 18 units with the above Marine Science Elective Courses, you can complete any of the remaining required 18 units from the following list*

<input type="checkbox"/> MRSC A195 Marine Conservation & Policy	3.0
<input type="checkbox"/> BIOL A182 Zoology	3.0
<input type="checkbox"/> BIOL A182L Zoology Lab	1.0
<input type="checkbox"/> BIOL A185 Diversity Of Organisms	5.0
<input type="checkbox"/> ESEC A110 Island Ecology	3.0
<input type="checkbox"/> ESEC A210 Wetlands Ecology & Management	3.0
<input type="checkbox"/> MARA A150 Coastal Navigation	3.0
<input type="checkbox"/> MARA A152 Boat Handling and Seamanship	3.0
<input type="checkbox"/> MARA A156 Maritime Environment	2.0
<input type="checkbox"/> GEOL A160 Environmental Geology	4.0
<input type="checkbox"/> GEOG A190 Intro to Geographic Information Systems	2.0
<input type="checkbox"/> BIOL A280 Evolutionary Ecology	4.0
<input type="checkbox"/> GEOL A131 Weather and Climate	3.0
<input type="checkbox"/> ESEC A100 Intro to Environmental Science	3.0
<input type="checkbox"/> ASTR A101 Planetary Astronomy	3.0
<input type="checkbox"/> BIOL A180 Cell & Molecular Biology	4.0
<input type="checkbox"/> BIOL A183 Botany	3.0
<input type="checkbox"/> BIOL A183L Botany Lab	1.0
<input type="checkbox"/> BIOL A210 General Microbiology	5.0
<input type="checkbox"/> BIOL A281 Biochemistry	2.0
<input type="checkbox"/> BIOL A282 Molecular Biology	2.0
<input type="checkbox"/> BIOL A283 Genetics	4.0
<input type="checkbox"/> GEOL A105 General Geology	3.0
<input type="checkbox"/> GEOL A105L General Geology Laboratory	1.0
<input type="checkbox"/> GEOL A105H General Geology Honors	3.0
<input type="checkbox"/> GEOL A105M General Geology Laboratory Honors	1.0
<input type="checkbox"/> GEOL A110 Physical Geology	4.0
<input type="checkbox"/> GEOL A137 Introductory Field Geology	4.0
<input type="checkbox"/> GEOL A185 Evolution of the Earth	3.0
<input type="checkbox"/> GEOL A185L Evolution of the Earth Lab	1.0
<input type="checkbox"/> MARA A138 Introduction to Ocean Sailing	1.0