

Marine Mammal Field Studies & Conservation Certificate of Achievement Requirements Checklist

12 unit certificate (Effective Fall 2024)

The Marine Mammal Field Studies and Conservation certificate is designed to prepare students interested in gaining experiential learning in various fields of marine mammal research, public outreach, education and conservation. This introductory exposure will allow them to make important contacts and gain fundamental skills and theoretical knowledge in the field of marine mammalogy and conservation.

Marine Mammals Field Studies & Conservation Required Courses: <i>Need to complete each of the following courses</i>	
<input type="checkbox"/> MRSC A180 Marine Biology	3.0
<input type="checkbox"/> MRSC A187 Marine Mammals	3.0
<input type="checkbox"/> MRSC A188 Marine Mammals Field Studies	1.0
<input type="checkbox"/> MRSC A288 Survey of Marine Mammal Research & Techniques	1.0
Marine Mammals Field Studies & Conservation Elective Courses: <i>Complete <u>at least</u> 4 units of the following electives.</i>	
<input type="checkbox"/> MRSC A287 Intro to Marine Mammals Rescue & Rehabilitation	1.0
<input type="checkbox"/> MRSC A124 Ecology of the Gray Whale	1.0
<input type="checkbox"/> MRSC A180L Marine Biology Lab	1.0
<input type="checkbox"/> MRSC A195 Marine Policy & Conservation	3.0
<input type="checkbox"/> MARA A152 Boat Handling & Seamanship	3.0
<input type="checkbox"/> GEOG A190 Digital Mapping: Introduction to GIS	3.0
<input type="checkbox"/> ITRN A392 Internship Academy - Level 1	1.0-4.0
<input type="checkbox"/> MRSC A199: Special Topics in Marine Science	1.0-2.0
<input type="checkbox"/> MRSC A291 / A292: Directed Studies I / II	1.0-2.0
Certificate Units Required:	
12.0	

Program Outcomes:

1. Describe fundamentals of marine mammal ecology including evolution, adaptations to aquatic lifestyle, and threats to their environment.
2. Identify regional diversity of marine mammals in context of threats and conservation status.
3. Demonstrate various research techniques used to study marine mammals including photographic identification, biopsy sampling, and other marine mammal tracking methods.
4. Discuss protocols used in rescue, rehabilitation, and release of marine mammals.

This certificate would provide a stepping stone to gain necessary experience to apply for jobs and internships relevant to: live animal response (rescue, rehabilitation, release), dead animal response, aquaria, zoos, conservation non-governmental organizations (NGO), and research institutes.