

MARINE MAMMAL FIELD STUDIES AND CONSERVATION, CERTIFICATE OF ACHIEVEMENT

Banner Code: 1_CM_MMFS

Control Number: 41824

Not Financial Aid Eligible

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.

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.

Certificate of Achievement Requirements

The Certificate of Achievement is a state-approved career program that requires a minimum of eight units and is designed to prepare the graduate to enter a particular field of employment. In order to be awarded a certificate, students are required to obtain a grade of "C" or better in all program-required courses. Grades of "CR" or "P" will be accepted whereas "CR" or "P" meets the equivalency of a "C" or better. At least 3 units in an advanced course from the certificate must be completed at OCC at the department's discretion. Certificates of Achievement are not automatically awarded. A petition must be filed in Enrollment Services or online at the beginning of the semester in which the student will be completing their final requirements. The petitioning periods are listed in the Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/>) section of this catalog. Check with a counselor to determine the requirements for completion.

A list of certificate programs can be found in the Programs A-Z (<https://catalog.cccd.edu/orange-coast/programs-study/>) section of this catalog.

Course	Title	Units
Required Courses		
MRSC A180	Marine Biology	3
MRSC A187	Marine Mammals	3
MRSC A188	Marine Mammal Field Studies	1
MRSC A287	Introduction to Marine Mammal Rescue and Rehabilitation	1
MRSC A288	Survey of Marine Mammal Research and Techniques	1
<i>Restricted Electives</i>		3

Course	Title	Units
GEOG A190	Digital Mapping: Introduction to GIS	
ITRN A392	Internship Academy-Level 2	
MARA A152	Boat Handling and Seamanship	
MRSC A124	Ecology of the Gray Whale	
MRSC A180L	Marine Biology Lab	
MRSC A195	Marine Policy and Conservation	
MRSC A291	Directed Study Marine Science 1	
MRSC A292	Directed Study Marine Science 2	
Total Units		12