

Coastal Marine Resources Management (CMRM)

Coastal marine ecosystems provide a plethora of essential goods and services, including fisheries, navigation space, geochemical products and recycling, disposal space for anthropogenic wastes, and recreation. Managing these goods and services requires an understanding of natural and social sciences, economics, decision-making, behavior, law, and ethics. The Coastal Marine Resources Management specialization (CMRM) trains MESM students to address interdisciplinary questions related to marine coastal ecosystems.

Students in the CMRM specialization take courses in applied marine ecology, natural resource economics or coastal marine policy and oceanography and develop technical skills in areas such as Geographic Information Systems (GIS), advanced data analysis and remote sensing. A more detailed explanation of the curriculum can be found on the [CMRM website](#).

Example CMRM related Master's Projects

(click to view project website)

[Bridging Science and Management in the Pacific Remote Islands Marine National Monument](#)

[Vessel Speed Reduction, Air Pollution, and Whale Strike Tradeoffs in the Santa Barbara Channel Region](#)

[Finding a Place for Conservation: A bio-economic analysis to inform the re-zoning of the Galápagos Marine Reserve](#)

[Creating a framework to evaluate the effectiveness of No-take Marine Reserves in Mexico](#)

Sample initial job placements for recent Bren School MESM graduates who specialized in CMRM include:

Research Associate, Catch Shares

Environmental Defense Fund (EDF)
San Francisco, CA

Staff Scientist

Cardno ENTRIX
Santa Barbara, CA

Management Specialist

National Marine Fisheries Service
Seattle, WA

Policy Analyst/PMF Fellow

Bureau of Ocean Energy Management
Anchorage, AK

Communication Officer

World Agroforestry Centre
Nairobi, Kenya

Humboldt Current Fisheries Specialist

The Nature Conservancy (TNC)
Lima, Peru

Marine Naturalist

Pacific Whale Foundation
Wailuku, HI

Fisheries Program Officer

World Wildlife Fund (WWF)
Washington, DC

Coral Triangle Initiative Coordinator

Conservation International
Honolulu, HI

Project Specialist

Sustainable Fisheries Group
Santa Barbara, CA

Sea Grant Extension Fellow

California Coastal Commission
San Francisco, CA

Science and Policy Analyst

Heal the Bay
Santa Monica, CA

Planner

County of Santa Barbara
Santa Barbara, CA

Knauss Marine Policy Fellow

NOAA Sea Grant
Washington, DC

Research Analyst

Center for Ocean Solutions
Monterey, CA

PhD Student

National University of Singapore
Singapore

Sample recent internship placements for students pursuing the CMRM specialization are:

Bureau of Land Management • Center for Biological Diversity • Conservation International • Environmental Defense Fund (EDF) • Food and Agriculture Organization (FAO) of the United Nations • Government of Bermuda Department of Environmental Protection • MarViva Colombia • Monterey Bay National Marine Sanctuary • National Center for Ecological Analysis and Synthesis (NCEAS) • National Oceanic and Atmospheric Administration • National Parks Services • Noble Environmental Technologies • Olazol • Patagonia • Rare • Reef Environmental Education Foundation • The Nature Conservancy • White House Council on Environmental Quality

