

## The Marine Science Minor

27 semester hours in Marine Science

The minor offers a broad exposure to marine science with a biological orientation and is desirable for:

- Teaching; for example, in conjunction with the Natural Sciences degree.
- Marine ecotourism or marine recreation careers; for example, in conjunction with a major in Anthropology, Business Administration, Economics, Geography, or Hawaiian Studies.

Graduate school preparation in a specialized branch of a primary science with an emphasis in Marine Science; for example, in conjunction with a degree in Biology, Chemistry, Geology, or Physics

### 1. Required Courses from Marine Science (15 semester hours)

MARE 171 (3)	Marine Biology - Diversity
MARE 172 (3)	Marine Biology – Cellular Processes
MARE 201 (3)	Oceanography
MARE 265 (3)	Marine Ecology and Evolution
MARE 282 (3)	Global Change

### 2. Electives: choose 12 semester hours from the following courses

MARE 240 (3)	Small Boat Operations in Research
MARE 264 (3)	Quantitative Underwater Ecological Survey Techniques (QUEST)
MARE 310 (3)	The Atoll Ecosystem
MARE 325 (3)	Coral Reef Ecology
MARE 350-353L (5) or 353-353L (5)	Coastal Methods and Analysis Pelagic Methods and Analysis
MARE 360 (3)	Marine Resources
MARE 364 (3)	Advanced QUEST
MARE 366 (3)	Tropical Marine Research Investigations
MARE 371-371L (4)	Biology of Marine Invertebrates and Lab
MARE 372-372L (4)	Biology of Marine Plants and Lab
MARE 390-390L (4)	Biology of Marine Mammals and Lab
MARE 394A-Z (1-3)	Special Topics in Marine Science
MARE 425 (3)	Chemical Oceanography
MARE 434 (3)	Teaching Marine Science
MARE 435 (3)	Marine Field Experience for Teachers
MARE 440 (3)	Physical Oceanography
MARE 444 (3)	Biological Oceanography
MARE 445 (3)	Marine Microbial Ecology
MARE 460 (3)	Marine Conservation
MARE 461 (3)	Geological Oceanography
MARE 484 (3)	Biology of Fishes
MARE 484L (4)	Biology of Fishes Lab
MARE 490-490L	Marine Reptile Conservation and Ecology and Lab
MARE 494A-Z (1-3)	Special Topics in Marine Science