

## MARINE SCIENCE PROGRAM MATRIX

Required Courses:	PLO #1:	PLO #2	PLO #3	PLO #4
MR 120: Marine Biology w/lab	I, D <sub>biological</sub>	I	I, D	I, D
MR 240: Oceanography w/lab	I, D, M	I	D	D
MR 210 Marine Ecology	D	I, D	D	D
MR 254: Marine Biology Field Studies	D, M	D, M	D, M	M
MR 230: Ichthyology w/lab	D, M	D	D, M	D, M
MR 250: Fishery Biology & Management	I, D	I, D, M	I, D	D
MR 201: Aquaculture w/lab	I, D	I, D, M	I, D	D
SC 230: Introduction to Chemistry w/lab	I <sub>chemical</sub>	-	I, D	D
MS 150: Introduction to Statistics	-	-	I	-

The student will be able to:

1. Demonstrate fundamental knowledge of geological, geomorphological, physical, chemical, and biological oceanography.
2. Apply fundamental knowledge of marine sciences towards identifying and critically analyzing and outlining potential solutions for local, regional and global problems relating to marine systems.
3. Apply the scientific process to formulate hypotheses, design experiments, and collect and analyze data from which valid scientific conclusions are drawn.
4. Communicate effectively, in written and oral forms, utilizing the language and concepts of marine science.

I = Introduced  
D = Demonstrated  
M = Mastery at a level appropriate for graduation.