

NAME: _____ SID#: _____

MAJOR: MARINE SCIENCE & TECHNOLOGY

(Certificate of Achievement and Associate in Science Degree)

CERTIFICATE CORE REQUIREMENTS		Units	Other Colleges	N	IP	C
BIOL 13	Marine Biology	4				
MAST 10	Intro. to GIS, GPS, and Cartography	4				
MAST 31	Intro. to Marine Science and Technology	2				
MAST 51	Practical Marine Operations and Safety	2				
MAST 55	Intro. to Submersible Technology	4				
OCEN 2	Intro. Oceanography	4				
COOP 91	Marine Science & Tech Internship	4				
<i>Select six units from the following:</i>		6				
AUTO 101	Engine Repair (4)					
AUTO 102	Basic Automotive Electricity/Electronics (4)					
ENGL 113	Intro. to Technical Writing (3)					
MAST 11	Spatial Analysis/Advanced GIS Tech. (4)					
MAST 12	Remote Sensing & Image Processing (4)					
MAST 21	Ocean Data Collection & Visualization (4)					
MAST 34	Research Diving and Safety (4)					
MAST 60	Intro. to Environmental Regulations (2)					
MAST 70	Intro. to Weather and Climate (3)					
MAST 115	Guide Training for M.B.A. (1.5)					
MAST 116	Practical Exp. Guide Training for M.B.A. (.5)					
<i>With department approval, other courses may be substituted for these electives, such as marine welding, advanced electronics, hydraulics or pneumatics.</i>						
TOTAL CERTIFICATE UNITS		30				

ASSOCIATE DEGREE REQUIREMENTS

Certificate Requirements		30				
CHEM 2	Fundamental Chemistry	4				
MATH 13	Pre-Calculus (4) <i>or</i>	3-4				
MATH 16	Elementary Statistics (3)					
PHYS 10	Introduction to Physics	4				
<i>With department approval, other courses may be substituted for courses listed immediately above.</i>						
TOTAL ASSOCIATE UNITS		60				

GRADUATION REQUIREMENTS

			N	IP	C
Reading Proficiency:	Test Score:	College Course:			
Writing Proficiency:	Test Score:	College Course:			
Math Proficiency:	Test Score:	College Course:			
Information Competency:	Test Score:	College Course:			
Major units identified above					
21 Units in General Education Classes (Courses may count for both major and GE requirements)					
Elective units to total 60 Degree Applicable Units					
G.P.A. 2.0					
12 Units in residence					

Counselor Signature: _____ Date: _____