

All Bachelor Programs require a minimum of 128 credits and a 2.00 cumulative average.

BS MARINE SCIENCE		Marine Biology Concentration		NAMS
Academic Year 2019-2020		80 Program Credits		
A Marine Sciences students must earn a 2.0 GPA in all science and math courses		Choose ONE course from THREE of FOUR Groups:		
MARS 1200 Introduction to Marine Biology w/lab	(4)	Group 1: General Ecology		
MARS 1300 Introduction to Oceanography	(4)	BIOL 2100 Ecology OR ENVL 2200/05 Ecological Principles	(4)	
MARS 2200 Marine Biology Methods & Analysis	(4)	Group II: Marine Plants		
MARS 2600 Marine Science Seminar	(1)	MARS 3335 Marine Botany	(4)	
CHEM 2110/15 Chemistry I w/lab	(5)	Group III: Invertebrate taxonomy		
CHEM 2120/25 Chemistry II organic w/lab	(5)	MARS 3300 Invertebrate Zoology	(4)	
BIOL 1200/05 Cells & Molecules	(5)	Group IV: Vertebrate taxonomy		
BIOL 1400/05 Biodiversity & Evolution	(5)	MARS 3340 Introduction to Ichthyology OR MARS 3489 Marine Mammalogy	(4)	
PHYS 2110/15 Physics for Life Sciences I w/lab OR PHYS 2220/25 Physics I w/lab	(5-6)	Choose TWO courses:		
PHYS 2120/25 Physics for Life Science II w/lab OR PHYS 2230/35 Physics II w/lab	(5-6)	MARS 3309 Coastal Oceanography w/lab	(4)	
Statistics 2000-4000 level _____	(4)	MARS 3361/65 Global Ocean Basins w/lab	(4)	
Choose ONE course		MARS 3420 Biological Oceanography	(4)	
MARS 3306 Aquaculture	(4)	GEOL 2110/2115 Marine Geology w/lab	(4)	
MARS 3307 Fisheries Science and Management	(4)	MARS Cognates: BCMB, BIOL, CHEM, ENVL, GEOL, MATH, PHYS or SUST		
MARS 3201 Marine Conservation Ecology	(4)	Choose ENVL or other NAMS courses to equal 80 total program credits. MARS/Cognate _____		
		MARS/Cognate _____ MARS/Cognate _____		
GENERAL STUDIES REQUIREMENTS:		48 Total Credits		
No more than 12 credits in any "G" category may be applied towards the BS degree.		32 Credits		
GEN General Interdisciplinary		GNM General Natural Science & Math		
GIS-General Integration & Synthesis (Jr./Sr. yr.)		GNM		
GAH General Arts & Humanities		GSS General Social Science		
GAH		GSS		
AT SOME DISTANCE Electives - Courses unrelated to your major		16 Credits		
	(4)		(4)	
	(4)		(4)	
GENERAL STUDIES OUTCOME REQUIREMENT: These courses are listed as attributes and should be completed within the 128 credits needed to graduate.				
(A) Arts		(V) Values/Ethics		
(H) Historical Consciousness		(I) International/Multicultural		
GENERAL STUDIES WRITING REQUIREMENT: (4 courses)				
Two W1 courses may be in transfer. W2 courses must be taken at Stockton.				
W1	W1/W2	W1/W2	W1/W2 at 3000 Level	
GENERAL STUDIES QUANTITATIVE REASONING REQUIREMENT: (3 courses)				
Two Q1 courses may be in transfer. Q2 courses must be taken at Stockton.				
Q1		Q2		Q1 or Q2
Prerequisites must be met, check course description on the web.				

"The student is responsible for insuring that all graduation requirements are met" (Bulletin). Consult with your preceptor and/or the Center for Academic Advising on a regular basis.