

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

<b>BS MARINE SCIENCE</b>	<b>Oceanography Concentration</b>	<a href="#">NAMS</a>
<b>Academic Year</b> 2019-2020	<b>80 Program Credits</b>	
A Marine Sciences students must earn a <b>2.0 GPA</b> in all science and math courses	<b>Choose THREE</b>	
MARS 1200 Introduction to Marine Biology w/lab (4)	MARS 3309 Coastal Oceanography w/lab (4)	
MARS 1300 Introduction to Oceanography (4)	GEOL 2110/15 Marine Geology <b>OR</b> Physical Geology (4-5)	
MARS 2300 Oceanographic Methods (2)	MARS 3361/65 Global Ocean Basins w/lab (4)	
CHEM 2110/15 Chemistry I w/lab (5)	MARS 3420 Biological Oceanography (4)	
CHEM 2120/25 Chemistry II organic w/lab (5)	<b>MARS Cognates:</b> BCMB, BIOL, CHEM, ENVL, GEOL, MATH, PHYS or SUST	
CHEM 2140 Chemistry IV w/lab (4)	<b>Choose ENVL or other NAMS courses to equal 80 total program credits.</b> MARS/Cognate _____	
MARS 3305 Coastal Processes: Beaches <b>OR</b> MATH 2215 Calculus I (4-5)	MARS/Cognate _____ ( )	
MATH 2216 Calculus II <b>OR</b> any 2000 level Statistics (5)	MARS/Cognate _____ ( )	
PHYS 2220/25 Physics I w/lab (6)	MARS/Cognate _____ ( )	
PHYS 2230/35 Physics II w/lab (6)	MARS/Cognate _____ ( )	
MARS 2600 Marine Science Seminar (1)	MARS/Cognate _____ ( )	
<b>Data Course:</b> ENVL 3302 Geographic Information System <b>OR</b> MARS (4)		
<b>GENERAL STUDIES REQUIREMENTS:</b>		<b>48 Total Credits</b>
No more than 12 credits in any "G" category may be applied towards the BS degree.		<b>32 Credits</b>
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
<b>AT SOME DISTANCE Electives - Courses unrelated to your major</b>		<b>16 Credits</b>
	(4)	(4)
	(4)	(4)
<b>GENERAL STUDIES OUTCOME REQUIREMENT: These courses are listed as attributes and should be completed within the 128 credits needed to graduate.</b>		
(A) Arts		(V) Values/Ethics
(H) Historical Consciousness		(I) International/Multicultural
<b>GENERAL STUDIES WRITING REQUIREMENT: (4 courses)</b>		
<b>Two W1 courses may be in transfer. W2 courses must be taken at Stockton.</b>		
W1	W1/W2	W1/W2
		W1/W2 at 3000 Level
<b>GENERAL STUDIES QUANTITATIVE REASONING REQUIREMENT: (3 courses)</b>		
<b>Two Q1 courses may be in transfer. Q2 courses must be taken at Stockton.</b>		
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.**