

# Marine Sciences

## Major Courses

**2026-28 Course Mappings**  
**To be used to show how previously taken quarter courses will count towards the 2026-28 Semester Catalog Requirements**  
**Note: Not all 26-28 degree requirements are reflected on mappings. Check curriculum sheet for all requirements.**

QUARTER COURSE	SEMESTER COURSE or MAPPING	NOTES
<b>BIO 150</b> Diversity and History of Life	➔	<b>BIO 1150</b> Life History and Diversity
<b>BIO 161</b> Intro to Cell and Molecular Biology	➔	<b>BIO 1151</b> Life: Molecules and Cells
<b>BIO 162</b> Introduction to Organismal Form & Function	✗	No semester equivalent Units applied to overall unit shortage
<b>BIO 263</b> Introductory Ecology and Evolution	➔	<b>BIO 2253</b> Principles of Ecology and Evolution Units may be applied to MSCI 1111/1112 or approved elective
<b>CHEM 302</b> Marine Chemistry	➔	<b>CHEM 3370</b> Marine Chemistry
<b>MSCI 100</b> Orientation to Marine Sciences	➔	<b>MSCI 1100</b> Orientation to Marine Sciences
<b>MSCI 300</b> Marine Ecology	➔	<b>MSCI 3300</b> Marine Ecology
<b>MSCI 301</b> Biological Oceanography	➔	<b>MSCI 3301</b> Biological Oceanography
<b>MSCI 403</b> Ocean Sampling Techniques	➔	<b>MSCI 4403</b> Field Oceanography Marine Science Approved Elective
<b>PSC 201</b> Physical Oceanography	➔	<b>PSC 2201</b> Physical Oceanography
<b>BIO 461</b> Senior Project or <b>BIO 462</b> -Senior Project Research Experience	➔	<b>BIO 4461</b> Senior Project Research Proposal OR <b>BIO 4462</b> Senior Project Research Experience OR <b>BIO 4463</b> Senior Project Meta-analysis in Biology
<b>Marine Resources, Conservation &amp; Policy</b> Select from the following: <b>BIO 363</b> Principles of Conservation Biology <b>MSCI 428</b> Marine Conservation & Policy <b>MSCI 438</b> Aquaculture <b>MSCI 439</b> Fisheries Science & Resource Management	➔	<b>BIO 3343</b> - Approved Electives <b>MSCI 4439</b> - MSCI Electives <b>MSCI 4438</b> MSCI Electives <b>MSCI 4439</b> MSCI Electives

MAJOR COURSES



Visit the BCSM semester conversion website for more information at [csmadvising.calpoly.edu/semester-conversion](http://csmadvising.calpoly.edu/semester-conversion)





Make sure to check your Degree Progress Report and Degree Planner to see if you have enough units to graduate

# Marine Sciences

## Major Courses

**2026-28 Course Mappings**  
 To be used to show how previously taken quarter courses will count towards the 2026-28 Semester Catalog Requirements

	QUARTER REQUIREMENT	SEMESTER COURSE OR MAPPING	NOTES
<b>MAJOR COURSES</b>	<b>Marine Biodiversity</b> Select from the following: <b>BIO 322</b> Ichthyology <b>BIO 336</b> Invertebrate Zoology <b>MCRO 436</b> Microbial Ecology <b>MSCI 324</b> Marine Mammals, Birds, & Reptiles <b>MSCI 437</b> Marine Botany	 <b>Marine Biodiversity</b> <b>BIO 3322</b> - MSCI Electives <b>BIO 3326</b> - MSCI Electives <b>MCRO 4436</b> - Approved Electives <b>MSCI 3324</b> - MSCI Electives <b>MSCI 4437</b> - MSCI Electives	
	<b>Communicating Science</b> Select from the following: <b>COMS 390</b> Environmental Communication <b>COMS 395</b> Science Communication <b>SCM 302</b> The Learn by Doing Lab <b>MSCI 401</b> Marine Science Outreach <b>MSCI 440</b> Communication Ocean Science to Inf. Audiences	 <b>Communicating Science</b> <b>COMS 3390</b> Approved Electives <b>COMS 3395</b> Approved Electives <b>SCM 3302</b> Approved Electives <b>MSCI 4401</b> Approved Electives <b>MSCI 4440</b> MSCI Electives	



Visit the BCSM semester conversion website for more information at [csmadvising.calpoly.edu/semester-conversion](http://csmadvising.calpoly.edu/semester-conversion)



**CAL POLY**  
 Student Services  
 BAILEY COLLEGE OF  
 SCIENCE & MATHEMATICS

Make sure to check your Degree Progress Report and Degree Planner to see if you have enough units to graduate

# Marine Sciences

## Major Support Courses

**2026-28 Course Mappings**  
 To be used to show how previously taken quarter courses will count towards the 2026-28 Semester Catalog Requirements

QUARTER COURSE	SEMESTER COURSE or MAPPING	NOTES
<b>CHEM 127</b> Gen CHEM for Ag & Life Science I	➔ <b>CHEM 1120</b> Fundamentals of Chemical Structure & Properties	
<b>CHEM 128</b> Gen CHEM for Ag & Life Science II	➔ <b>CHEM 1122</b> Fundamentals of Chemical Reactivity	
<b>CHEM 129</b> Gen CHEM for Ag & Life Science III	✗ No semester equivalent	Units applied to overall unit shortage
<b>CHEM 216</b> Organic Chemistry I OR <b>CHEM 312</b> Organic Chem: Fund. & Applications	➔ <b>CHEM 2240</b> Organic Chem: Fund. & Applications	Students needs to take CHEM 216B to receive credit in CHEM 2242.
<b>GEOL 102</b> Introduction to Geology	✗ No semester equivalent	Units applied to approved electives
<b>MATH 141 -Calculus I</b> or <b>MATH 161</b> or Calculus for the Life Sciences I	➔ No semester equivalent	Units applied to Math 1264 (but does not meet the requisite to enroll in Math 1265)
<b>MATH 142</b> Calculus II or <b>MATH 162</b> or Calculus for the Life Sciences II	➔ No semester equivalent	Units applied to approved electives
<b>PHYS 121</b> College Physics I	➔ <b>PHYS 1121</b> College Physics I	
<b>PHYS 122</b> College Physics II	➔ No semester equivalent	Units applied to overall unit shortage
<b>PHYS 123</b> College Physics III	✗ <b>PHYS 1123</b> College Physics II	
<b>STAT 218</b> Applied Statistics for the Life Sciences	➔ <b>STAT 1110</b> Applied Statistical Concepts and Methods	
<b>STAT 313</b> Applied Experimental Design & Regression Models	➔ No semester equivalent	Units applied to approved electives

SUPPORT COURSES



Visit the BCSM semester conversion website for more information at [csmadvising.calpoly.edu/semester-conversion](http://csmadvising.calpoly.edu/semester-conversion)



Make sure to check your Degree Progress Report and Degree Planner to see if you have enough units to graduate

# Marine Sciences

## Approved Electives

**2026-28 Course Mappings**  
 To be used to show how previously taken  
 quarter courses will count towards the  
 2026-28 Semester Catalog Requirements

	QUARTER COURSE	SEMESTER COURSE OR MAPPING	NOTES
<b>CONCENTRATION</b>	<b>APPROVED ELECTIVES</b>	<b>APPROVED ELECTIVES</b>	
	ASCI 290	APPROVED ELECTIVES	
	BIO 200	BIO 2200	
	BIO 300	BIO 3300	
	BIO 351	BIO 3351	
	BIO 361	BIO 3352	
	BIO 400	BIO 4400	
	BIO 414	BIO 4414	
	BIO 415	BIO 4449	
	BIO 423	NR 4421	
	BIO 434	BIO 4424	
	BIO 442	BIO 4442	
	BIO 444	BIO 4444	
	BIO 445	BIO 4444	
	BIO 446	BIO 4446	
	BIO 450	BIO 4450	
	BIO 452	BIO 4452	
	BIO 461	BIO 4461	
	BIO 462	BIO 4462	
	BIO 463	BIO 4466	
	BIO 470	BIO 4470	
	BIO 471	BIO 4471	
	BIO 472	BIO 4472	
	BRAE 333	Approved Electives	
	CHEM 201	CHEM 2201	
CHEM 217	CHEM 2242		
CHEM 218	CHEM 2244		
CHEM 220	Approved Electives		
CHEM 221	Approved Electives		
CHEM 223	Approved Electives		
CHEM 314	CHEM 3350		
CHEM 331	CHEM 3330		
CHEM 341	CHEM 3372		
CHEM 369	CHEM 3352		
CHEM 372	CHEM 3354		
CHEM 400	CHEM 4400		
CHEM 401	CHEM 4401		
CHEM 475	BIO 4457		
COMS 390	COMS 3390		
COMS 395	COMS 3395		



Visit the BCSM semester conversion website for more information at [csmadvising.calpoly.edu/semester-conversion](https://csmadvising.calpoly.edu/semester-conversion)



**CAL POLY**  
 Student Services  
 BAILEY COLLEGE OF  
 SCIENCE & MATHEMATICS

Make sure to check your Degree Progress Report and Degree Planner to see if you have enough units to graduate

# Marine Sciences

## Approved Electives

**2026-28 Course Mappings**  
 To be used to show how previously taken  
 quarter courses will count towards the  
 2026-28 Semester Catalog Requirements

	QUARTER COURSE	SEMESTER COURSE OR MAPPING	NOTES
<b>APPROVED ELECTIVES</b>	CSC 101	CSC 1001	
	CSC 202	CSC 2001	
	CSC 203	CSC 203	
	CSC 231	CSC 1031	
	CSC 232	CSC 1032	
	DATA 301	DATA 3301	
	EE 201	EE 2201	
	EE 321	EE 321	
	SCM 302	SCM 3302	
	ENGR 400	ENGR 4400	
	ENVE 331	ENVE 2331	
	ENVE 400	ENVE 4400	
	ENVE 434	ENVE 3434	
	GEOL 200	GEOL 2200	
	GEOL 241	GEOL 2241	
	GEOL 330	GEOL 3330	
	GEOL 400	GEOL 4400	
	MATH 143	MATH 1262	
	MATH 241	MATH 2263	
	MATH 244	MATH 2341	
	MCRO 224	MCRO 2224	
	MCRO 436	MCRO 4436	
	MSCI 401	MSCI 4401	
	MSCI 410	MSCI 4410	
	NR 218	NR 2218	
	NR 404	NR 3317	
	NR 317	NR 3321	
	NR 321	NR 4404	
PHYS 200	PHYS 2200		
PHYS 314	PHYS 3314		
PHYS 400	PHYS 4400		
PHYS 461	PHYS 4461		
PHYS 462	PHYS 4462		
STAT 323	STAT 3540		
STAT 324	STAT 3430		
STAT 330	STAT 3800		
STAT 331	STAT 1810		
STAT 334	STAT 3530		
STAT 416	STAT 4760		
UNIV 350	UNIV 3350		



Visit the BCSM semester conversion website for more information at [csmadvising.calpoly.edu/semester-conversion](https://csmadvising.calpoly.edu/semester-conversion)



**CAL POLY**  
 Student Services  
 BAILEY COLLEGE OF  
 SCIENCE & MATHEMATICS

Make sure to check your Degree Progress Report and Degree Planner to see if you have enough units to graduate