



**B.S. in Marine Biology**  
**BIOSCPPBS.2011**  
**60 credits, incl. 9 GE credits**

Effective Date: 08/ 2010

<b>Name of Student:</b>			
<b>Student ID #:</b>			
<b>Home Country:</b>	<input type="checkbox"/> IWORK		
<b>Grad. Date:</b>			
<b>Advisor:</b>	Name	Initials	Date
<b>Date Started:</b>			

**Science Core** **15 Credits**

\*\*\* No credit of less than C- in any BIOL/CHEM course is counted toward graduation\*\*\*

Course #	Title	Hr.	Prerequisites	Offered	Sem.	Grade
BIOL 112	Biology for Majors (GenEd)	3		F,W		
CHEM 105/L	General Chemistry I/Lab (GenEd - 3)	4	MATH 110 or higher Math	F,W		/
CHEM 106/L	General Chemistry II/Lab	4	CHEM 105/L	W,S		/
BIOL 265/L	Molecular & Cell Biology	4	BIOL 112, CHEM 105/L	F,W		/

**Biology Core** **12 Credits**

BIOL 201/L	General Botany/Lab	4	BIOL 112	W		/
BIOL 206/L	General Zoology/Lab	4	BIOL 112	F		/
BIOL 491L	Research & Thesis (GenEd)	1	Jr./Sr.+ Science Core	F,W		
BIOL 492L	Research & Thesis (GenEd)	1	BIOL 491L	F,W		
BIOL 493L	Research & Thesis (GenEd)	1	BIOL 492L	F,W		
BIOL 494L	Research & Thesis (GenEd)	1	BIOL 493L	F,W,S		

**Chemistry Requirements** **8 Credits**

CHEM 251/L	Organic Chemistry I/Lab	4	CHEM 106/L	F		
CHEM 252/L	Organic Chemistry II/Lab	4	CHEM 251/L	W		

**Major Electives** **25 Credits**

Minimum of 1 class from 200 level AND a minimum of 4 classes from the 300 & 400 levels to end with total of 25 elective credits. **MARINE BIOLOGY EMPHASIS MAJORS REQUIRED TO TAKE ALL OF HIGHLIGHTED ELECTIVES, PLUS ONE ADDITIONAL ELECTIVE IN 300-400 LEVEL.** \*Only 1 credit of BIOL 495R counted toward Biology elective credits.

**Minimum: 1 Class in 200 Level**

BIOL 204/L	Pacific Natural History/Lab	4	BIOL 112	F		
BIOL 212/L	Marine Biology/Lab	4	BIOL 112	S		
BIOL 220/L	Micro Biology/Lab	4	¾ Science Core	W		
BIOL 248/L	Conservation Biology/Lab	4	BIOL 112	W-even		/
BIOL 261/L	Elementary Human Physiology/Lab	4	¾ Science Core	F		/
GEOL 105	Geology of the Pacific Basin (GenEd)	3		F,W		
OCEN 201	Science of the Sea	3		Varies		

**Minimum: 4 Class in 300-400 Level**

BIOL 300/L	Animal Behavior/Lab	4	¾ Science Core	W-odd		
BIOL 320/L	Pathogenic Microbiology/Lab	4	Science Core and BIOL 220/L	S-even		/
BIOL 330/L	Bioinformatics/Lab	4	Science Core	S-odd		/
BIOL 340	Experimental Design/Analysis	3	¾ Science Core	S		
BIOL 350/L	General Ecology/Lab	4	¾ Science Core & BIOL 201/L or 206/L	F		/
BIOL 374	Evolution & Human Prehistory	3	BIOL 112	W-even		
BIOL 376/L	Genetics/Lab	4	¾ Science Core	F		
BIOL 383/L	Histology & Dev. Biology/Lab	4	¾ Science Core	F,W		/
BIOL 412/L	Marine Ecology	4	Science Core & BIOL 212/L	W-odd		
BIOL 441/L	Molecular Biology/Lab	4	Science Core	W		/
BIOL 442/L	Advanced Cellular Biology/Lab	4	Science Core	F		/
BIOL 445/L	Immunology	4	Science Core	F		/
BIOL 465/L	Principles of Physiology/Lab	4	Science Core	W		/
BIOL 475	Pathogenic Physiology	3	Science Core and BIOL 261/L or BIOL 465/L	S		
BIOL 495R*	Independent Study	1	PERMISSION ONLY	S,F,W		
CHEM 381/L	Biochemistry/Lab	4	CHEM 252/L	F		/

**Total Credits Mapped for Graduation:**

Based on completion of remaining courses as indicated on this MRS, this student is authorized to graduate with this major.

Dept. Chair (Printed)

Signature

Date

The terms of this MRS will be honored by the Department and University within the next 8 years. If courses cease to be offered, options for substitution will be provided.