



**University of Hawai'i at Mānoa – Four-Year Academic Plan 2016-2017**  
**Colleges of Arts and Sciences**  
**Bachelor of Science (BS) in Marine Biology**

**SAMPLE**

This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

Year 1		Year 2		Year 3		Year 4	
Fall		Fall		Fall		Fall	
BIOL 171 or 172 (DB)	3	BIOL 265	3	BIOL 375	3	ZOOL 475	3
BIOL 171L or 172L (DY)	1	BIOL 265L	1	BIOL 375L	2	ZOOL 475L	2
CHEM 161 (DP)	3	CHEM 272	3	PHYS 151	3	BIOL 499	2
CHEM 161L	1	CHEM 272L	2	PHYS 151L	1	Marine Biology Elective	3
MATH 215, 241 or 251A	4	FG (A/B/C)	3	Marine Biology Elective	3	DA/DH/DL	3
(FS)		HSL 101	3	HSL 201	3	DS	3
FW	3						
Credits	15	Credits	15	Credits	15	Credits	16
Spring		Spring		Spring		Spring	
BIOL 172 or 171 (DB)	3	BIOL 275	3	MICR 401	3	BIOL 404	3
BIOL 172L or 171L (DY)	1	BIOL 275L	1	MICR 401L	1	BIOL 499	2
CHEM 162	3	BIOL 301	3	ECON 321 (DS)	3	BOT 480	4
CHEM 162L	1	BIOL 301L	2	PHYS 152	3	Marine Biology Elective	3
MATH 216, 242, or 252A	3	HSL 102	2	PHYS 152L	1	DA/DH/DL	3
OCN 201 (DP)	3	FG (A/B/C)	3	HSL 202	3	Elective	2
					0		
Credits	14	Credits	14	Credits	14	Credits	17
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
<b>Total Credits</b>	<b>29</b>	<b>Total Credits</b>	<b>58</b>	<b>Total Credits</b>	<b>87</b>	<b>Total Credits</b>	<b>120</b>

**Notes:**

- Students must take placement exams to be able to register for CHEM 161 and MATH 215 or 241. BIOL 403 can replace 4 credits of BIOL 499.
- Students must incorporate all focus requirements into this plan. Focus designations (i.e., W, E, O, H) are CRN specific & semester specific.
- Minimum 45 upper division (300+ course) credits are required, or a combination of no fewer than 25 upper division credits and 35 major-required lower division credits.
- Students must complete both BIOL 171/171L and 172/172L, but they may be completed in either order.