



**University of Hawai'i at Mānoa – Four-Year Academic Plan 2016-2017**  
**School of Ocean and Earth Science and Technology**  
**Bachelor of Science (BS) in Global Environmental Science**

**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	
MATH 241 (FS)	4	MATH 243 or OCN or GG	3	OCN 310	3	OCN 401	3
CHEM 161 (DP)	3	312		OCN 310L	2	OCN 499	3
CHEM 161L (DY)	1	OCN 320	3	ATMO 200	3	Coupled Systems	3
OCN 100	1	PHYS 170	4	BIOL 171 (DB)	3	Coupled Systems	3
FW	3	PHYS 170L	1	BIOL 171L	1	Elective 300+	3
OEST 100	0	FG (A/B/C)	3	Elective 300+	3		
Elective	3	DH	3				
Credits	15	Credits	17	Credits	15	Credits	15
Spring		Spring		Spring		Spring	
MATH 242	4	GG 101/101L	4	Coupled Systems	3	OCN 490	2
CHEM 162	3	MATH 244 or ECON 321 (DS)	3	BIOL 172	3	OCN 499	3
CHEM 162L	1	PHYS 272	3	BIOL 172L	1	Coupled Systems	3
OCN 201	3	PHYS 272L	1	GEOG 410 or 411	3	Elective 300+	3
OCN 201L	1	FG (A/B/C)	3	OCN 363	3	Elective	2
DA/DL	3			DS*	3		
Credits	15	Credits	14	Credits	16	Credits	13
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
<b>Total Credits</b>	<b>30</b>	<b>Total Credits</b>	<b>61</b>	<b>Total Credits</b>	<b>92</b>	<b>Total Credits</b>	<b>120</b>

**Notes:**

- Students must take placement exams to be able to register for CHEM 161 and MATH 241; ECON 321 and OCN 312 may be taken in place of both MATH 243 and 244; If MATH 243 is taken, MATH 244 must be taken; if ECON 321 is taken, OCN/GG 312 must be taken.
- DS needed if not fulfilled with ECON 321 or any of the Coupled Systems courses.
- Examples of approved global environmental coupled systems courses: ATMO 302 and 303; BIOC 241; BIOL 265, 301, 360, and 404; BOT 480; ECON 358, 458, and 638; GEOG 300, 401, 402, and 405; GG 301, 309, 420, 421, 425, 455, and 466; MICR 401; NREM 301/301L 302, 304, and 461; OCN 330, 331, 403, 480, 620, 621, 622, 623, 633, and 638; PHIL 315/OCN 315 and PHIL 316; POLS 316; SOC 412; ZOOL 410 and 466.
- 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.