



**University of Hawai'i at Mānoa – Four-Year Academic Plan 2015-2016**  
**Colleges of Tropical Agriculture and Human Resources**  
**Bachelor of Science (BS) in Biological Engineering**

**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	3	BE 350	3	BE 481	3
CHEM 161 (DP)	3	EE 160 or EE 110	4	BE 350L	1	BE Elective	3
CHEM 161 (DY)	1	CEE 270	3	EE 211	4	BE Elective	3
BIOL 171 (DB)	3	PHYS 272	3	NREM 310	3	BE Elective	3
BIOL 171L	1	PHYS 272L	1	CHEM 272	3	DA/DH/DL	3
FW	3	FG (A/B/C)	3	CHEM 272L	2		
Credits	15	Credits	17	Credits	16	Credits	15
Spring		Spring		Spring		Spring	
MATH 242	4	MATH 244	3	BE 373	3	BE 482	3
CHEM 162	3	BE 260	3	ME 311	4	BE Elective	3
CHEM 162L	1	CEE 271	3	CEE 320 or ME 322	4	BE Elective	3
PHYS 170	4	BIOL 172/172L or MICR	3	FG(A/B/C)	3	BIOL 275/275L or MICR	4
PHYS 170L	1	351/351L or BE 120				351/351L or MICR	
ECON 120, 130, or 131 (DS)	3	DA/DH/DL	3			485/485L	
						DS	3
Credits	16	Credits	15	Credits	14	Credits	16
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
<b>Total Credits</b>	<b>31</b>	<b>Total Credits</b>	<b>63</b>	<b>Total Credits</b>	<b>93</b>	<b>Total Credits</b>	<b>124</b>

**Notes:**

Students must take placement exams to be able to register for CHEM 161 and MATH 241.

Students must take 15 credits of the following BE electives: BE 405, 410, 411, 420, 431, 437, 460, 470; CEE 355; ME 371.

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.