



University of Hawai'i at Mānoa – Four-Year Academic Plan 2013-2014
Colleges of Tropical Agriculture and Human Resources
Bachelor of Science (BS) in Molecular Biosciences and Biotechnology

Specialization: Plant Biotechnology

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	
CHEM 161 (DP)	3	CHEM 272	3	MBBE 402	4	PEPS 405	4
CHEM 161L (DY)	1	CHEM 272L	2	MBBE 402L	2	TPSS 416	3
BIOL 171 (DB)	3	MATH 215 or 241 (FS)	4	ANSC 446, PEPS 371 or	3	MBBE/PEPS/TPSS 499	6
BIOL 171L	1	MBBE 304	3	BIOL 375			
H/SL	3	DA/DH/DL	3	PHYS 100/100L or	4		
FW	3			151/151L and 152/152L			
FG (A/B/C)	3			Elective	3		
Credits	17	Credits	15	Credits	16	Credits	13
Spring		Spring		Spring		Spring	
CHEM 162	3	BIOL 275	3	MBBE 401	3	MBB Elective	3
CHEM 162L	1	BIOL 275L	1	MBB Elective	3	MBB Elective	2
BIOL 172	3	NREM 310	3	MBB Elective	3	DS	3
BIOL 172L	1	TPSS 470	3	MBB Elective	2	Elective	3
NREM 220 (DS)	3	DA/DH/DL	3	Elective	3	Elective	1
H/SL	3	DS	3				
FG (A/B/C)	3						
Credits	17	Credits	16	Credits	14	Credits	12
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
Total Credits	34	Total Credits	65	Total Credits	95	Total Credits	120

Notes:

Students must take placement exams to be able to register for CHEM 161 and MATH 215 or 241.

Students must take 13 credits in Plant Biotechnology from the following: BIOL 265/265L; OCN 310; MBBE/PEPS/TPSS 499 credits beyond 3, and see advisor for approved plant biotechnology courses. Students must incorporate all focus requirements into this plan.

Minimum 45 upper division (300+ course) credits are required.