



University of Hawai'i at Mānoa - Four-Year Academic Plan 2012-2013

Colleges of Tropical Agriculture and Human Resources

Bachelor of Science (BS) in Plant and Environmental Biotechnology

Track: General 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 161L (DY) 1 BIOL 171 (DB) 3 BIOL 171L 1 H/SL 3 FW 3 FG (A/B/C) 3	CHEM 272 3 CHEM 272L 2 MATH 215 or 241 (FS) 4 MBBE 304 3 DA/DH/DL 3	MBBE 402 4 MBBE 402L 2 PEPS 371 or BIOL 375 or 3 ANSC 446 BIOL 407 3 Elective 3	MBBE/PEPS/TPSS 499 6 PEB Elective 3 PHYS 100/100L or 4 151/151L and 152/152L
Credits 17	Credits 15	Credits 15	Credits 13
Spring	Spring	Spring	Spring
CHEM 162 3 CHEM 162L 1 BIOL 172 3 BIOL 172L 1 NREM 220 (DS) 3 H/SL 3 FG (A/B/C) 3	BIOL 275 3 BIOL 275L 1 NREM 310 3 DS 3 DA/DH/DL 3 Elective 3	MBBE 401 3 BIOL 408 3 PEB Elective 3 PEB Elective 3 Elective 3	PEB Elective 3 PEB Elective 3 PEB Elective 3 DS 3
Credits 17	Credits 16	Credits 15	Credits 12
Summer	Summer	Summer	Summer
Credits	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.
- Students must take 18 credits in General Biotechnology from the following: CHEM 273/273L; MICR 351/351L, MICR 461, MICR 475, MICR 485/485L; OCN 310; PEPS/MBBE 403, PEPS/MBBE 404; PEPS 470; TPSS 440, TPSS 453; or MBBE/PEPS/TPSS 499 credits beyond 3.
- Students must incorporate all focus requirements into this plan.
- Minimum 45 upper division (300+ course) credits are required.