



University of Hawai'i at Mānoa – Four-Year Academic Plan 2013-2014
Colleges of Arts and Sciences
Bachelor of Science (BS) in Microbiology

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 (DB)	3	NI CHEM 272	3	NI MICR 351	3	NI MICR 475	3
BIOL 171L (DY)	1	NI CHEM 272L	2	NI MICR 351L	2	NI MICR 461	3
CHEM 161 (DP)	3	NI MATH 215 (FS)	4	NI CHEM 273	3	NI Group 2	2
CHEM 161L	1	PHYS 151/151L or	4	DS	3	NI Group 2	2
FG (A/B/C)	3	170/170L		NI HSL 201	3	Elective	3
FW	3	HSL 101	3			DA/DH/DL	3
Credits	14	Credits	16	Credits	14	Credits	16
Spring		Spring		Spring		Spring	
BIOL 172	3	NI BIOL 275	3	NI MICR 431	3	NI Group 3	3
BIOL 172L	1	NI BIOL 275L	1	NI Group 1	3	NI Group 3	3
CHEM 162	3	NI MATH 216 or 242 or 252A	3	NI Group 2	2	DS	3
CHEM 162L	1	PHYS 152/152L or	4	NI MBBE 402 or BIOC 441	4	NI Elective	3
DA/DH/DL	3	272/272L		NI HSL 202	3	Elective	2
FG (A/B/C)	3	HSL 102	3	Elective	3		
Credits	14	Credits	14	Credits	18	Credits	14
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
Total Credits	28	Total Credits	58	Total Credits	90	Total Credits	120

Notes:

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

Students must incorporate all focus requirements into this plan.

60 non-introductory credits are required for A&S Natural Sciences majors.

Microbiology BS Group Electives

Biochemistry (one of the following): MBBE 402 or BIOC 441

Group 1 (3 credits of the following): MICR 361, 401, 463, 470, 485, or 490

Group 2 (6 credits of the following): MICR 401L, 431L, 461L, 463L, 470L, 475L, 485L, or 490L

Group 3 (6 credits of the following): Any 300+ level MICR course not used to satisfy Group 1 or 2; BIOL 375/375L, 407 or 408; BOT 430/430L or 480; CHEM 351, 352; FSHN 403 or 430; MICR 499; PEPS 405 or 486; PH 663; ZOOL 340/340L, 416, 417, 631, or 632; or additional courses with approval from a Microbiology advisor.