



University of Hawai'i at Mānoa – Four-Year Academic Plan 2017-2018
Colleges of Arts and Sciences
Bachelor of Science (BS) in Microbiology

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	
BIOL 171 or 172 (DB)	3	CHEM 272	3	BIOI 275	3	MICR 461	3
BIOL 171L or 172L (DY)	1	CHEM 272L	2	BIOL 275L	1	Group 1	3
CHEM 161 (DP)	3	PHYS 151 or 170	3	Group 2	2	Group 2	2
CHEM 161L (DY)	1	PHYS 151L or 170L	1	DA/DH/DL	3	Group 2	2
MATH 215 or 241 or 251A (FS)	4	HSL 101	3	HSL 201	3	Elective	3
FW	3	FG (A/B/C)	3	Elective	3	DA/DH/DL	3
Credits	15	Credits	15	Credits	15	Credits	16
Spring		Spring		Spring		Spring	
BIOL 172 or 171 (DB)	3	CHEM 273	3	MICR 351	3	MICR 431	3
BIOL 172L or 171L (DY)	1	PHYS 152 or 272	3	MICR 351L	2	MICR 475	3
CHEM 162	3	PHYS 152L or 272L	1	MBBE 402 or BIOG 441	4	Group 3	3
CHEM 162L	1	DS	3	DS	3	Group 3	3
MATH 216 or 242 or 252A	3	HSL 102	3	HSL 202	3	Elective	3
FG (A/B/C)	3	Elective	2				
Credits	14	Credits	15	Credits	15	Credits	15
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
Total Credits	29	Total Credits	59	Total Credits	89	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. Focus designations (i.e., W, E, O, H) are CRN specific & semester specific.

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

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, 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.

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