



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

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 3	DS 3	NI Group 2 2
FG (A/B/C) 3	PHYS 151L 1	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 3	NI Group 2 2	DS 3
CHEM 162L 1	PHYS 152 3	NI Biochemistry 3	NI Elective 3
DA/DH/DL 3	PHYS 152L 1	NI HSL 202 3	Elective 3
FG (A/B/C) 3	HSL 102 3	Elective 3	
Credits 14	Credits 14	Credits 17	Credits 15
Summer	Summer	Summer	Summer
Credits 0	Credits 0	Credits 0	Credits 0
Total Credits 28	Total Credits 58	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.
- 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.