



**University of Hawai'i at Mānoa – Four-Year Academic Plan 2017-2018**  
**Colleges of Arts and Sciences**  
**Bachelor of Arts (BA) 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	Group 1	3	Group 1	3
BIOL 171L or 172L (DY)	1	CHEM 272L	2	Group 2	2	Group 2	2
CHEM 161 (DP)	3	PHYS 151/151L or	4	BIOI 275	3	Group 3	3
CHEM 161L (DY)	1	170/170L		BIOI 275L	1	Elective	3
MATH 215 (FS)	4	FG (A/B/C)	3	DS	3	Elective	3
FW	3	HSL 101	3	HSL 201	3		
Credits	15	Credits	15	Credits	15	Credits	14
Spring		Spring		Spring		Spring	
BIOL 172 or 171 (DB)	3	CHEM 273	3	MICR 351	3	Group 1	3
BIOL 172L or 171L (DY)	1	PHYS 152 or 272	3	MICR 351L	2	Group 3	3
CHEM 162	3	PHYS 152L or 272L	1	HSL 202	3	Group 3	3
CHEM 162L	1	DA/DH/DL	3	DA/DH/DL	3	Elective	3
FG (A/B/C)	3	HSL 102	3	Elective	3	Elective	2
DS	3						
Credits	14	Credits	13	Credits	14	Credits	14
Summer		Summer		Summer		Summer	
Elective	3	Elective	3				
Credits	3	Credits	3	Credits	0	Credits	0
<b>Total Credits</b>	<b>32</b>	<b>Total Credits</b>	<b>63</b>	<b>Total Credits</b>	<b>92</b>	<b>Total Credits</b>	<b>120</b>

**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 BA Group Electives**

**Group 1 (9 credits of the following):** MICR 361, 401, 431, 461, 463, 470, 475, 485, or 490

**Group 2 (4 credits of the following):** MICR 401L, 461L, 463L, 470L, 475L, 485L, or 490L

**Group 3 (9 credits of the following):** Any 300+ level MICR course not used to satisfy Group 1 or 2; BIOG 441; 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.

**SAMPLE**