

University of Hawai'i at Mānoa Colleges of Arts & Sciences Program Sheet 2017-2018 Bachelor of Science (BS) in Microbiology

Admissions: Open Process: Declaration Min. Total Credits: 120 (109 in core & major + 11 in electives)

UHM General Education Core Requirements			
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Foundations			
☐ FW ENG 100, 100A, 190, ESL 100, or AMST 111			
☐ FS MATH 215, 241, or 251A			
□ FG (A / B / C)			
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Diversification			
□ DA/DH/DL			
□ DA/DH/DL			
☐ DB BIOL 171, 172			
DP CHEM 161			
DY CHEM 161L, BIOL 171L, BIOL 172L			
□ DS			
□ DS			
* See degree, college and major requirements for courses that			
can also fulfill these.			
UHM Graduation Requirements			
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Focus			
□ H			
□ E (300+)			
□ O (300+)			
□ W			
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4 (3001)			
Hawaiian / Second Language			
□ 101			
□ 101 □ 102			
□ 201			
202			
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Credit Minimums			
• 120 total applicable			
• 30 in residence at UHM			
• 45 upper division (300+ level) credits			
Grade Point Average			
• 2.0 cumulative or higher (<i>Note: Other GPAs may be</i>			
required.)			
Good academic standing			

Ba	chelor of Science Requirements
	Calculus I
	Calculus II
	Chemistry I with lab
	Chemistry II with lab
	Physics I with lab
	Physics II with lab
Rej	fer to major requirements for the specific courses that
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sat	isfy these requirements.
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Major Requirements for BS in Microbiology				
Admission: Open				
Application: NA				
Min. major credits: 29 (76-78 with related requirements)				
Min. C grade (not C-) in all courses				
Requirements				
Microbiology Related Requirements (47-49 credits)				
□ BIOL 171* ^{DB} / □ 171L* ^{DY}				
\square BIOL 172* $^{\mathrm{DB}}$ / \square 172L* $^{\mathrm{DY}}$				
\square BIOL 275 / \square 275L (Fall and Summer)				
□ CHEM 161* ^{DP} / □ 161L* ^{DY}				
□ CHEM 162 / □ 162L				
□ CHEM 272 / □ 272L				
CHEM 273				
□ PHYS 151* ^{DP} / 151L* ^{DY} or □ 170* ^{DP} / 170L* ^{DY}				
\square PHYS 152* ^{DP} / 152L* ^{DY} or \square 272* ^{DP} / 272L* ^{DY}				
□ MBBE 402 or BIOC 441				
□ MATH 215* ^{FS} or 241* ^{FS} or 251A* ^{FS}				
☐ MATH 216 or 242 or 252A				
Microbiology Core Courses (5 credits)				
☐ MICR 351 / 351L (Spring only)				
Additional Courses (24 anoditar and demonstrated for ammount the increase and additional for managements)				
Additional Courses (24 credits; see department for approved choices; see catalog for prerequisites) Additional Microbiology Courses (9 credits)				
☐ MICR 431 (Spring only) ☐ MICR 461 (Fall only)	\longrightarrow			
□ MICR 401 (Fall only)				
3 credits from Group 1: MICR 361, 401, 463, 470, 485, or 490				
3 Creates from Group 1. When 301, 401, 403, 470, 403, 01 490				
6 credits from Group 2: MICR 401L, 461L, 463L, 475L, 485L, 490L				
6 credits of approved Group 3 major electives:				
Notes				
Department of Biology Advising: Edmondson 216; (808) 956-5911; bioadvis@hawaii.edu				
To schedule an advising appointment, visit manoa.hawaii.edu/biology/advising.				
Microbiology Department: Snyder 207; (808) 956-8553; www.hawaii.edu/microbiology/				
Microbiology Undergraduate Advisor: Jain Pak; (808) 956-8303; jainpak@hawaii.edu				