



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

Degree Requirements
Bachelor of Science Requirements
<input type="checkbox"/> Calculus I
<input type="checkbox"/> Calculus II
<input type="checkbox"/> Chemistry I with lab
<input type="checkbox"/> Chemistry II with lab
<input type="checkbox"/> Physics I with lab
<input type="checkbox"/> Physics II with lab
<i>Refer to major requirements for the specific courses that satisfy these requirements.</i>
College Requirements
Credit Maximums
• 8 KRS activity
• 9 Directed Reading / Research
• 12 Practicum / Internship

*This program sheet was prepared to provide information and does not constitute a contract. See back for major requirements.
 Meet regularly with your major advisor.*

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}

BIOL 172*^{DB} / 172L*^{DY}

BIOL 275 / 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}

PHYS 152*^{DP} / 152L*^{DY} or 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 credits; see department for approved choices; see catalog for prerequisites)

Additional Microbiology Courses (9 credits)

MICR 431 (Spring only)

MICR 461 (Fall only)

MICR 475

3 credits from Group 1: MICR 361, 401, 463, 470, 485, or 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) 956-8303; 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