



University of Hawai'i at Mānoa
Colleges of Arts & Sciences Program Sheet 2013-2014
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
<input type="checkbox"/> FS
<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
<input type="checkbox"/> DP
<input type="checkbox"/> DY
<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"/> MATH 215* ^{FS} or 241* ^{FS} or 251A* ^{FS}
<input type="checkbox"/> MATH 216 or 242 or 252A
<input type="checkbox"/> DB course
<input type="checkbox"/> CHEM 161* ^{DP} / <input type="checkbox"/> 161L* ^{DY}
<input type="checkbox"/> CHEM 162* ^{DP} / <input type="checkbox"/> 162L* ^{DY}
<input type="checkbox"/> PHYS 151* ^{DP} / 151L* ^{DY} or <input type="checkbox"/> 170* ^{DP} / 170L* ^{DY}
<input type="checkbox"/> PHYS 152* ^{DP} / 152L* ^{DY} or <input type="checkbox"/> 272* ^{DP} / 272L* ^{DY}
College Requirements
See degree requirements above.
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: 40-41 (76-77 with related requirements)

Min. C grade (not C-) in all prerequisite courses

Requirements

Microbiology Related Requirements (36-37 credits)

BIOL 171^{*DB} / 171L^{*DY} (offered Fall and Summer)

BIOL 172^{*DB} / 172L^{*DY} (offered Spring and Summer)

BIOL 275^{*DB} / 275L^{*DY} (offered Spring and Summer)

CHEM 161^{*DP} / 161L^{*DY}

CHEM 162^{*DP} / 162L^{*DY}

CHEM 272^{*DP} / 272L^{*DY}

CHEM 273^{*DP}

PHYS 151^{*DP} / 151L^{*DY} **or** 170^{*DP} / 170L^{*DY}

PHYS 152^{*DP} / 152L^{*DY} **or** 272^{*DP} / 272L^{*DY}

Microbiology Core Courses (5 credits)

MICR 351 / 351L

Additional Courses (35-36 credits; see department for approved choices; see catalog for prerequisites)

Additional Related Requirements

MBBE 402 or BIOC 441

MATH 215 and 216 **or** 241 and 242/242L **or** 251A and 252A

Additional Microbiology Courses (9 credits)

MICR 431

MICR 461

MICR 475

3 credits from Group 1: MICR 361, 401, 463, 470, 485, or 490

6 credits from Group 2: MICR 401L, 431L, 461L, 463L, 475L, 485L, 490L

6 credits of approved Group 3 major electives:

Notes

Colleges of Arts and Sciences Student Academic Services: QLCSS 113; (808) 956-8755

Microbiology Department: Snyder 207; (808) 956-8553; uhmicro@hawaii.edu; www.hawaii.edu/microbiology

Microbiology Undergraduate Chair: Stuart Donachie, PhD; Snyder 210; donachie@hawaii.edu

http://www.advising.hawaii.edu/artsci/pages/resources/lib_art_degrees/majorskills/majorskills_micr.asp#MICR_SCHED