



University of Hawai'i at Mānoa
Colleges of Arts & Sciences Program Sheet 2014-2015
Bachelor of Science (BS) in Molecular Cell Biology
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"/> 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 Molecular Cell Biology

Admission: Open

Application: NA

Min. major credits: BS = 46 (74 with related requirements)

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

Requirements

Molecular Cell Biology Core Requirements (36 credits)

BIOL 171*^{DB} / 171L*^{DY}

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

BIOL 275*^{DB} / 275L*^{DY}

BIOL 375*^{DB} / 375L*^{DY}

BIOL 407^{DB}

BIOL 408^{DB} / 408L*^{DY}

Biochemistry (MBBE 402^{DB} or BIOC 441^{DB})

MCB 314^{DS}

MCB 461^{DB}

MCB 472

Molecular Cell Biology Related Requirements (10 credits from Group 1 and 2, minimum of 1 credit from 2)

Group 1 Courses

10 credits from: ICS 475, MATH 304, 305, MICR 351, 431, 470, 475, 490, MBBE 405, PHYL 301, ZOOL 420, 442, MICR/BOT/ZOOL 499

_____ _____ _____ _____

Group 2 Courses

MICR 351L, 431L, 461L, 475L, 490L, PHYL 301L, ZOOL 420L

_____ _____ _____ _____

Related Major Courses

MATH 215

MATH 216

CHEM 161/ 161L

CHEM 162/ 162L

CHEM 272/ 272L

CHEM 273

PHYS 151/ 151L or 170/ 170L

PHYS 152/ 152L or 272/ 272L

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 21; (808) 956-6452; donachie@hawaii.edu