

University of Hawai'i at Mānoa

College of Tropical Agriculture and Human Resources Program Sheet 2014-2015 Bachelor of Science (BS) in Molecular Biosciences and Biotechnology

Admissions: Open Process: Declaration

Min. Total Credits: 120 (108 in core & major + 12 in electives)

UHM General Education Core Requirements				
Foundations				
Foundations				
□ FW				
□ FS				
☐ FG (A / B / C)				
□ FG (A / B / C)				
Diversification				
DA/DH/DL				
□ DA/DH/DL				
□ DB				
□ DP				
□ DY				
□ DS				
□ DS				
* See degree, college and major requirements for courses that				
can also fulfill these.				
UHM Graduation Requirements				
Focus				
□Н				
□ E (300+)				
□ O (300+)				
□W				
□ W				
□ W				
□ W (300+)				
□ W (300+)				
W (5001)				
Hawaiian / Second Language				
Hawaiian/Second Language Requirement is not required				
for students admitted to the Molecular Biosciences and				
Biotechnology program.				
Dioteciniology program.				
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				

College Requirements				
CTAHR Required Set of Interrelated Courses				
□ NREM 310				
☐ Internship or capstone course (MBBE/PEPS/TPSS 499)				
Credit Minimums				
• 120 total applicable				

Major Requirements for BS	in Molecular Bioscienc	es and Biotechnology			
Admission: Open					
Application: NA	1 . 1				
Min. major credits: 73 (82 with	•				
Min. exit GPA: 2.0 in the major	<u>)r</u>				
D :					
Requirements	'				
Molecular Biosciences and Biotechnology Related Requirements (7 credits) ☐ MATH 215**FS or 241**FS					
□ NREM 220* ^{DS}	41*				
□ NREM 220*					
Malagran Diagram and D	istaalanalaan Cana Car				
Molecular Biosciences and Biotechnology Core Courses (57 credits) □ BIOL 171* ^{DB} / □ 171L* ^{DY}					
□ BIOL 171* / □ 171L* □ BIOL 172* DB / □ 172L* DY					
□ BIOL 172. / □ 172L. □ BIOL 275* ^{DB} / □ 275L* ^{DY}					
□ BIOL 273.					
☐ CHEM 161* ^{DP} / ☐ 161L* ^{DY}					
$\square \text{ CHEM } 161^{\circ} / \square 161L^{\circ}$ $\square \text{ CHEM } 162^{\circ} / \square 162L^{\circ}$					
□ CHEM 702					
□ MBBE 304* ^E					
□ MBBE 401					
□ MBBE 402					
☐ MBBE 408					
□ MBBE 483					
☐ ANSC 446, BIOL 3	375. or PEPS 371				
□ PHYS 100* ^{DP} / □ 1	$100L^{*DY}$ or $\square 151^{*DP} / \square 151^{*DP} / \square151^{*DP} /$	\square 151L* $^{\mathrm{DY}}$ and \square 152* $^{\mathrm{I}}$	^{DP} / □ 152L* ^{DY}		
☐ MBBE/PEPS/TPSS 499					
General Biotechnology Elect	ive Courses (18 credits)			
18 credits of the following:					
□ BE 150	□ BE 373	□ BE 410			
□ BE 431	□ BE 440	□ BOT 102/102L			
□ CHEM 273/273L	☐ MBBE 402L	☐ MBBE 412	☐ MICR 351/351L		
□ MICR 461	☐ MICR 475	☐ MICR 485/485L	□ PEPS 363		
□ PEPS 405	□ PEPS 421	☐ PEPS 422	☐ TPSS 440		
☐ TPSS 453	☐ ZOOL 320/320L				
		Notes			
CTAHR Office of Academic and	Student Affeirer Ci		/(808) 956-6733; acadaff@ctahr.hawaii.edu;		
CTATIK Office of Academic and		ww.ctahr.hawaii.edu	(608) 930-0733, acadam @ctain.nawan.edu,		
MBBE Program: Gilmore 211; (808) 956-6997					
MBBE Undergraduate Advisor: Harry Ako, PhD; AgSci 218; (808) 956-2012; hako@hawaii.edu					