

University of Hawai'i at Mānoa

College of Tropical Agriculture and Human Resources Program Sheet 2015-2016 Bachelor of Science (BS) in Molecular Biosciences and Biotechnology

Admissions: Open Process: Declaration

Min. Total Credits: 120 (105 in core & major + 15 in electives)

UHM General Education Core Requirements
Offivi General Education Core Requirements
Foundations
☐ FW ENG 100, 100A, 190, or ESL 100
☐ FS MATH 215 or 241
☐ FG (A / B / C)
$\Box \operatorname{FG}(A/B/C)$ $\Box \operatorname{FG}(A/B/C)$
G FG (A / B / C)
Diversification
□ DA / DH / DL
DA/DH/DL
DB BIOL 171
DP CHEM 161
DY CHEM 161L
DS NREM 220
□ 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
□ W
□ W
□ W (300+)
□ W (300+)
Hawaiian / Second Language
Hawaiian/Second Language Requirement is not required
for students admitted to the Molecular Biosciences and
Biotechnology 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 Biosciences and Biotechnology					
Admission: Open					
Application: NA					
Min. major credits: 72 (79 with related requirements)					
Min. exit GPA: 2.0 in the major					
Requirements Miles less Pierries and Pietre less Peleted Province and (7 and 14)					
Molecular Biosciences and Biotechnology Related Requirements (7 credits) ☐ MATH 215*FS or 241*FS					
□ MATH 215* or 241* □ NREM 220* DS					
□ NREM 220°					
Molecular Biosciences and Biotechnology Core Courses (54 credits)					
□ BIOL 171* ^{DB} / □ 171L* ^{DY}					
□ BIOL 171					
□ BIOL 275* ^{DB} / □ 275L* ^{DY}					
□ BIOL 407					
\square CHEM $161*^{DP}/\square$ $161L*^{DY}$					
$\square \text{ CHEM } 162^{*DP} / \square 162L^{*DY}$					
□ CHEM 272* ^{DP} / □ 272L* ^{DY}					
□ MBBE 304* ^E					
☐ MBBE 401					
☐ MBBE 402					
□ MBBE 408					
□ MBBE 483					
		\square 151L* $^{\mathrm{DY}}$ and \square 152* $^{\mathrm{I}}$	^{DP} / □ 152L* ^{DY}		
☐ MBBE/PEPS/TPSS 499 (6 credits)					
General Biotechnology Elective Courses (18 credits)					
18 credits of the following:					
□ ANSC446	□ BE 150	□ BE 373	□ BE 410		
□ BE 420	□ BE 431	□ BE 440	☐ BIOL 375		
□ BOT 101/101L	☐ BOT 470/470L	☐ CHEM 273/273L	☐ MBBE 402L		
☐ MBBE 412	☐ MICR 351/351L	☐ MICR 461	☐ MICR 475		
☐ MICR 485/485L	☐ PEPS 363	☐ PEPS 371	□ PEPS 405		
☐ PEPS 421	☐ PEPS 422	☐ TPSS 440	☐ TPSS 453		
□ ZOOL 320/320L					
		Notes			
CTAHR Academic Advising Off	ice:	110005			
Gilmore 1st floor; ctahradv@hawaii.edu					
Appointments are required to see an advisor; please visit <u>ctahradv.youcanbook.me/</u> to schedule an appointment.					
CTAHR Office of Academic and Student Affairs:					
Gilmore 210, (808) 956-8183/(808) 956-6733; www.ctahr.hawaii.edu/ugadvising					