

University of Hawai'i at Mānoa Colleges of Arts & Sciences Program Sheet 2017-2018 Bachelor of Science (BS) in Biochemistry Admissions: Open Process: Declaration Min. Total Credits: 120 (115 in core & major + 5 in electives)

UHM General Education Core Requirements

Foundations
FW ENG 100, 100A, 190, ESL 100, or AMST 111
FS MATH 215, 241, 251A
$\Box FG(A/B/C)$
$\Box FG(A/B/C)$
Diversification

Diversification
\Box DA / DH / DL
DA / DH / DL
DB BIOL 171
DP CHEM 161
DY CHEM 161L
DS
DS

* See degree, college and major requirements for courses that can also fulfill these.

UHM Graduation Requirements

Focus				
H				
□ E (300+)				
• O (300+)				
□ W				
□ W				
□ W (300+) CHEM 463L				
□ W (300+)				
Hawaiian / Second Language				
1 01				
□ 102				
201				
2 02				
Credit Minimums				
• 120 total applicable				
• 30 in residence at UHM				
• 35 non-introductory/25 upper division (300+ level) credits				
Grade Point Average				
• 2.0 cumulative or higher (<i>Note: Other GPAs may be</i>				

- required.)
- Good academic standing

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.

Degree Requirements

	Calculus I
	Calculus II
	Chemistry I with lab
	Chemistry II with lab
	Physics I with lab
	Physics II with lab
Re	fer to major requirements for the specific courses that
sa	tisfy these requirements.
C	ollege Requirements
C	ollege Requirements
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	redit Maximums

Major Requirements for BS in Biochemistry	
Admission: Open	
Application: NA	
Min. major credits: 55 (80 with related requirements)	
Min. C grade (not C-) in prerequisite CHEM courses.	Minimum D grade for all other courses.
Requirements	
Biochemistry Related Requirements (25 credits)	
$\square CHEM 161*^{DP} / \square 161L*^{DY}$ $\square CHEM 162*^{DP} / \square 162L*^{DY}$	(C, not C-, or higher to advance)
$\Box \text{ CHEM } 162^{*DP} / \Box 162L^{*DY}$	(C, not C-, or higher to advance)
\Box MATH 241* ^{FS} or 251A* ^{FS} or 215	
□ MATH 242 or 252A	
\square PHYS 170* ^{DP} / \square 170L* ^{DY}	
□ PHYS 272* ^{DP} / □ 272L* ^{DY}	(C, not C-, or higher to advance)
Biochemistry Core Courses (55 credits in CHEM control of the Chemistry Courses (55 credits in CHEM control of the Chemistry Core Courses (55 credits in CHEM control of the Chemistry Courses (55 credits in CHEM control of the Chemistry Courses (55 credits in CHEM control of the Chemistry Courses (55 credits in CHEM control of the Chemistry Courses (55 credits in CHEM control of the Chemistry Courses (55 credits in CHEM control of the Chemistry Courses (55 credits in CHEM control of the Chemistry Courses (55 credits in CHEM control of the Chemistry Courses (55 credits in CHEM control of the Chemistry Courses (55 credits in CHEM control of the Chemistry Courses (55 credits in Chemistry Courses (55 credits in Chemistry Courses (55 credits in Chemistry Courses (55	
$\Box \text{ CHEM } 272^{*DP} / \Box 272L^{*DY}$	(C, not C-, or higher to advance)
□ CHEM 273* ^{DP} / □ 273L* ^{DY}	
CHEM 274 / 274L	(Spring only)
CHEM 361	(Fall only)
CHEM 372	(Fall only)
CHEM 462	(Spring only)
CHEM 463L	(Fall only)
$\square BIOL 171*^{DP} / \square 171L*^{DY}$	(C, not C-, or higher to advance)
$\square BIOL 172^{*DP} / \square 172L^{*DY}$	(C, not C-, or higher to advance)
$\square BIOL 275^{*DP} / \square 275L^{*DY}$	(C, not C-, or higher to advance)
BIOL/MBBE/PEPS 402	
Biochemistry Electives	
14 credits including 2 laboratory courses from the app	proved list of ocurses. At least one course must be from CHEM
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14 credits including 2 laboratory courses from the app	proved list of ocurses. At least one course must be from CHEM D
14 credits including 2 laboratory courses from the approximation courses: CHEM L	proved list of ocurses. At least one course must be from CHEM D
14 credits including 2 laboratory courses from the approved Courses: Image: CHEM Image: CHEM Image: CHEM Image: CHEM Image: CHEM	L
14 credits including 2 laboratory courses from the approverses: CHEM CHEML Approved Courses: CHEM 352L, 399/399L, 425/425L, 427, 445/4	L 445L, 462; BIOL 375/375L, 401, 407, 408, 483;
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14 credits including 2 laboratory courses from the approverses: CHEM L Approved Courses: CHEM 352L, 399/399L, 425/425L, 427, 445/4 MBBE 412; MICR 351/351L, 431/431L, 461/302/302L; ZOOL 430/430L, 442	L 445L, 462; BIOL 375/375L, 401, 407, 408, 483;
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