

## University of Hawai'i at Mānoa Colleges of Arts & Sciences Program Sheet 2015-2016 Bachelor of Science (BS) in Chemistry

Admissions: Open Process: Declaration Min. Total Credits: 120 (97 in core & major + 23 in electives)

UHM General Education Core Requirements				
Foundations				
☐ FW ENG 100, 100A, 190, or ESL 100				
☐ FS MATH 241, 251A				
□ FG (A / B / C)				
□ FG (A / B / C)				
Diversification				
□ DA/DH/DL				
□ DA/DH/DL				
□ DB				
□ DP CHEM 161, 162, 272, 273				
□ DY CHEM 161L, 162L, 272L, 273L				
□ 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+)				
Hawaiian / Second Language				
□ 101				
<b>□</b> 102				
<b>□</b> 201				
□ 202				
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 (Note: Other GPAs may be				
required.)				
Good academic standing				

Bachelor of Science 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	
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Ca	llege Requirements	
Ca	edit Maximums	

Major Requirements for BS in Chemistry				
Admission: Open				
Application: NA				
Min. major credits: 41 (57 with related requirements)				
Min. C grade (not C-) in prerequisite CHEM courses				
Requirements				
Chemistry Related Requirements (16 credits)  ☐ CHEM 161*DP / ☐ 161L*DY				
☐ CHEM 161*DF / ☐ 161L*DY	(C, not C-, or higher to advance)			
□ CHEM 162* <sup>DP</sup> / □ 162L* <sup>DY</sup>	(C, not C-, or higher to advance)			
☐ MATH 241*FS or 251A*FS				
☐ MATH 242 or 252A				
Chamistan Care Courses (41 and its in CHEM course	ass mumb and 200 and shows)			
Chemistry Core Courses (41 credits in CHEM course)  □ CHEM 272* <sup>DP</sup> / □ 272L* <sup>DY</sup>				
□ CHEM 272** / □ 272L** □ CHEM 273* <sup>DP</sup> / □ 273L* <sup>DY</sup>	(C, not C-, or higher to advance)			
□ CHEM 273" / □ 273L" □ CHEM 274 / □ 274L	(offered Coming only)			
☐ CHEM 274 / ☐ 274L	(offered Spring only) (offered Fall only)			
□ CHEM 351 □ CHEM 352 / □ 352L	(offered Spring only)			
☐ Biochemistry (CHEM 372 DB or BIOC 441 DI				
☐ CHEM 425 / ☐ 425L	(offered Fall only)			
☐ CHEM 427	(offered Spring only)			
□ CHEM 445 / □ 445L	(offered Spring only)			
☐ MATH 243 or 253A	(C, not C-, or higher to advance)			
□ PHYS 170* <sup>DP</sup> / □ 170L* <sup>DY</sup>	(e, not e, or inglier to devalue)			
□ PHYS 272* <sup>DP</sup> / □ 272L* <sup>DY</sup>	(C, not C-, or higher to advance)			
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Min. <b>3 credits</b> from: CHEM 399, 601, 602, 622	2, 641, 642, 643, 651, 652, 653, 0f 657			
Recommended electives: MATH 244 and PHYS 274				
Recommended language: German or French				
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	rding minimum grade and GPA requirements and projected			
changes to course offerings.				
	Notes			
Chemistry Department: Bilger 239; (808) 956-7480; chemde				
Chemistry Undergraduate Chair: Kristin Kumashiro, PhD; (8				
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