



**University of Hawai'i at Mānoa – Four-Year Academic Plan 2015-2016**  
**Colleges of Arts and Sciences**  
**Bachelor of Science (BS) in Chemistry**

**SAMPLE**

This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

Year 1		Year 2		Year 3		Year 4	
Fall		Fall		Fall		Fall	
CHEM 161 (DP)	3	CHEM 272	3	CHEM 351	3	Biochemistry	3
CHEM 161L (DY)	1	CHEM 272L	2	CHEM 425	3	DB	3
MATH 241 (FS)	4	MATH 243	3	CHEM 425L	2	DS	3
FW	3	PHYS 272	3	DA/DH/DL	3	HSL 202	3
FG (A/B/C)	3	PHYS 272L	1	HSL 102	3	Elective	3
		DA/DH/DL	3			Elective	3
Credits	14	Credits	15	Credits	14	Credits	18
Spring		Spring		Spring		Spring	
CHEM 162	3	CHEM 273	3	CHEM 352	3	CHEM 445	3
CHEM 162L	1	CHEM 273L	1	CHEM 352L	2	CHEM 445L	2
MATH 242	4	CHEM 274	3	CHEM 427	3	CHEM Elective 300+	3
PHYS 170	4	CHEM 274L	2	DS	3	Elective	3
PHYS 170L	1	HSL 101	3	HSL 201	3	Elective	3
FG (A/B/C)	3	Elective	3				
Credits	16	Credits	15	Credits	14	Credits	14
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
<b>Total Credits</b>	<b>30</b>	<b>Total Credits</b>	<b>60</b>	<b>Total Credits</b>	<b>88</b>	<b>Total Credits</b>	<b>120</b>

**Notes:**

Students must take placement exams to be able to register for CHEM 161 and MATH 215 or 241.

CHEM 425/425L (Inorganic Chemistry) is offered only in the Fall; CHEM 445/445L (Organic Chemistry) is offered only in the Spring.

Students must incorporate all focus requirements into this plan. Focus designations (i.e., W, E, O, H) are CRN specific & semester specific.

Minimum 45 upper division (300+ course) credits are required, or a combination of no fewer than 25 upper division credits and 35 major-required lower division credits.

Biochemistry may be fulfilled by taking CHEM 372, BIOL/MBBE 402, or BIOC 441.