



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

**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	
BOT 100	1	BOT 200	1	BOT 300	1	BOT 302	2
BIOL 171 (DB)	3	BOT 201	3	BOT 202	3	Group 1	3
BIOL 171L (DY)	1	BOT 201L	1	BOT 202L	1	BIOL 375	3
CHEM 161 (DP)	3	CHEM 272	3	PHYS 152/152L or	3	BIOL 375L	2
CHEM 161L (DY)	1	CHEM 272L	2	272/272L		BOT Elective	3
MATH 215 or 241 or 251A (FS)	4	FG (A/B/C)	3	HSL 201	3	DA/DH/DL	3
FW	3	HSL 101	3	DS	3		
Credits	16	Credits	16	Credits	14	Credits	16
Spring		Spring		Spring		Spring	
BOT 101 (DB)	3	BIOL 275	3	BOT 303	5	BOT 400	1
BOT 101L (DY)	1	BIOL 275L	1	BOT 301	3	BOT 420	4
CHEM 162	3	PHYS 151/151L or	4	BOT 301L	1	BOT 462	3
CHEM 162L	1	170/170L		Group 1	3	Group 2	4
MATH 216 or 242 or 252A	3	DA/DH/DL	3	HSL 202	3	BOT Elective	3
FG (A/B/C)	3	HSL 102	3				
		DS	3				
Credits	14	Credits	17	Credits	15	Credits	15
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
<b>Total Credits</b>	<b>30</b>	<b>Total Credits</b>	<b>63</b>	<b>Total Credits</b>	<b>92</b>	<b>Total Credits</b>	<b>123</b>

**Notes:**

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

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.

## **Botany Major Requirements**

**Group 1** (two courses): BOT 401, 450, or 499

**Group 2** (one course): BOT 430/430L, 461, or 480

**Group 3:** any of the following courses to fulfill the minimum 55 credits of BOT and BIOL courses: BOT 350, 430/430L, 444, 453, 454, 456, 461, 480

Approved substitutions for the calculus and physics requirement:

MATH 215 (Calculus I requirement): MATH 241 or 251

MATH 216 (Calculus II requirement): MATH 242 or 252

PHYS 151/151L (Physics I requirement): PHYS 170/170L

PHYS 152/152L (Physics II requirement): PHYS 272/272L

Students must earn a grade of C (not C-) or higher in each course applied to the major, including the required courses in chemistry, physics, and math courses.

**SAMPLE**