



**University of Hawai'i at Mānoa – Four-Year Academic Plan 2017-2018**  
**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 201	3	BOT 305	3	PHYS 152 or 272	3
BIOL 171 (DB)	3	BOT 201L	1	BOT 300	1	PHYS 152L or 272L	1
BIOL 171L (DY)	1	CHEM 272	3	BIOL 275	3	Group 2 Elective	3
CHEM 161 (DP)	3	CHEM 272L	2	BIOL 275L	1	BOT Elective	3
CHEM 161L (DY)	1	FG (A/B/C)	3	DS 300+	3	BOT Elective	3
MATH 215 or 241 or 251A (FS)	4	HSL 101	3	HSL 201	3	DA/DH/DL 300+	3
FW	3						
Credits	16	Credits	15	Credits	14	Credits	16
Spring		Spring		Spring		Spring	
BOT 101 (DB)	3	BOT 200	1	BIOL 375	3	BOT 400	1
BOT 101L (DY)	1	DS	3	BIOL 375L	2	BOT 420	4
CHEM 162	3	DA/DH/DL	3	PHYS 151 or 170	3	BOT Elective	3
CHEM 162L	1	HSL 102	3	PHYS 151L or 170L	1	Elective 300+	4
MATH 216 or 242 or 252A	3	Elective 300+	3	Group 1 Elective	3	Elective 300+	4
FG (A/B/C)	3	Elective	1	HSL 202	3		
Credits	14	Credits	14	Credits	15	Credits	16
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
<b>Total Credits</b>	<b>30</b>	<b>Total Credits</b>	<b>59</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.

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

Minimum 36 upper division (300+ course) credits are required.

## **BS Botany Major Requirements**

**Group 1: Systematics & Evolution** (at least one course): BOT 430/430L, 461, 462, or 480

**Group 2: Ecology, Conservation & Natural History** (at least two courses): BOT 301/301L, 303, 350, 440, 444, 450, 454, or 456

**Botany Electives (other):** any of the following courses to fulfill the minimum 29 credits of BOT and elective requirement courses: BOT 302, 399, 442, 446, or additional courses from those listed above in Groups 1-2.

Upon approval of a BOT advisor and the Chair, students may include courses from other departments to accommodate a special emphasis or interdisciplinary program that is appropriate for a major in Botany.

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.

**SAMPLE**