



**University of Hawai'i at Mānoa – Four-Year Academic Plan 2017-2018**  
**Colleges of Tropical Agriculture and Human Resources**  
**Bachelor of Science (BS) in Tropical Agriculture and the Environment**

**SAMPLE**

**Specialization: Plant Physiology and Genetics**

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	
TPSS 200 (DB)	3	TPSS 304	4	TPSS 492	1	TPSS Genetics & Physio	3
BIOL 171 (DB)	3	BIOL 265	3	TPSS Genetics & Physio	3	TPSS Supporting	3
BIOL 171L (DY)	1	H/SL	3	TPSS Supporting	3	TPSS Supporting	3
CHEM 161 (DP)	3	DA/DH/DL	3	H/SL	3	TPSS Supporting	3
CHEM 161L (DY)	1			Elective	3	Elective	3
FW	3			Elective	3		
Credits	14	Credits	13	Credits	16	Credits	15
Spring		Spring		Spring		Spring	
BIOL 172	3	TPSS 470	3	TPSS Genetics & Physio	3	TPSS 492L	3
BIOL 172L	1	TPSS 470L	1	TPSS Supporting	3	TPSS/PEPS 499	3
CHEM 162	3	NREM 310 or FAMR	3	TPSS Supporting	3	PEPS 421	4
CHEM 162L	1	380/380L		DA/DH/DL	3	TPSS Genetics & Physio	3
MATH 140 or NREM 203 (FS)	3	H/SL	3	DS	3	Elective	1
H/SL	3	FG (A/B/C)	3				
FG (A/B/C)	3	DS	3				
Credits	17	Credits	16	Credits	15	Credits	14
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
<b>Total Credits</b>	<b>31</b>	<b>Total Credits</b>	<b>60</b>	<b>Total Credits</b>	<b>91</b>	<b>Total Credits</b>	<b>120</b>

**Notes:**

Students must take placement exams to be able to register for CHEM 161.

Students must take at least 12 credits of Genetics & Physiology courses from the following: TPSS 371, 440, 453; BIOL 340; MBBE 304, 401.

Additional seven courses may be Supporting Courses from the following: TPSS 300, 336, 409, 416, 420, 430, 435, 450, 460, 463, 481, 491; BIOL 134/124L, 407;

BOT 201/201L, 410/410L, 461; GEOG 101; MICR 314; MBBE 402/402L or BIOL 402 or BIOC 341; PEPS 363/363L, 403, 405.

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.