



**University of Hawai'i at Mānoa**  
**Colleges of Arts & Sciences Program Sheet 2017-2018**  
**Bachelor of Science (BS) in Botany**  
**Admissions: Open Process: Declaration**  
**Min. Total Credits: 120 (109 in core & major + 11 in electives)**

UHM General Education Core Requirements
<b>Foundations</b>
<input type="checkbox"/> FW ENG 100, 100A, 190, ESL 100, or AMST 111
<input type="checkbox"/> FS MATH 215, 241, or 252A
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
<b>Diversification</b>
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DB BIOL 171, BOT 101
<input type="checkbox"/> DP CHEM 161
<input type="checkbox"/> DY BIOL 171L, BOT 101L, CHEM 161L
<input type="checkbox"/> DS
<input type="checkbox"/> DS
<i>* See degree, college and major requirements for courses that can also fulfill these.</i>
UHM Graduation Requirements
<b>Focus</b>
<input type="checkbox"/> H
<input type="checkbox"/> E (300+)
<input type="checkbox"/> O (300+)
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W (300+)
<input type="checkbox"/> W (300+)
<b>Hawaiian / Second Language</b>
<input type="checkbox"/> 101
<input type="checkbox"/> 102
<input type="checkbox"/> 201
<input type="checkbox"/> 202
<b>Credit Minimums</b>
• 120 total applicable
• 30 in residence at UHM
• 36 upper division (300+ level) credits
<b>Grade Point Average</b>
• 2.0 cumulative or higher ( <i>Note: Other GPAs may be required.</i> )
• Good academic standing

Degree Requirements
<b>Bachelor of Science Requirements</b>
<input type="checkbox"/> Calculus I
<input type="checkbox"/> Calculus II
<input type="checkbox"/> Chemistry I with lab
<input type="checkbox"/> Chemistry II with lab
<input type="checkbox"/> Physics I with lab
<input type="checkbox"/> Physics II with lab
<i>Refer to major requirements for the specific courses that satisfy these requirements.</i>
College Requirements
<b>Credit Maximums</b>
• 8 KRS activity
• 9 Directed Reading / Research
• 12 Practicum / Internship

*This program sheet was prepared to provide information and does not constitute a contract. See back for major requirements.  
 Meet regularly with your major advisor.*

## Major Requirements for BS in Botany

Admission: Open

Application: NA

Min. major credits: 48 (76-77 with related requirements)

Min. C grade (not C-) in all courses

### Requirements

#### Seminars (4 credits)

- BOT 100 (Fall only)
- BOT 200 (Spring only)
- BOT 300 (Fall only)
- BOT 400 (Spring only)

#### Botany and Biology Requirements (29 credits)

- BOT 101\*<sup>DB</sup> /  101L\*<sup>DY</sup> (Spring and Summer)
- BOT 201 /  201L (Fall only)
- BOT 202 /  202L (Fall only)
- BOT 420 (Spring only)
- BIOL 171\*<sup>DB</sup> / 171L\*<sup>DY</sup>
- BIOL 275 / 275L (Fall and Summer)
- BIOL 375 / 375L (Spring only)

#### Botany Elective Courses (Minimum 15 credits)

- At least one of Group 1: Systematics & Evolution  
BOT 430/430L, 461, 462, or 480
- At least one of Group 2: Ecology, Conservation, & Natural History  
BOT 301/301L, 303, 350, 440, 444, 450, 454, or 456
- Other electives from the categories above or below to reach the required number of elective credits:  
Ethnobotany: BOT 440, 442, 444, 446  
Miscellaneous electives: BOT 302, 399 (may be repeated one time), 401, or 450

#### Other Required Courses (28-29 credits)

- CHEM 161\*<sup>DP</sup>/161L\*<sup>DY</sup>
- CHEM 162 /162L
- CHEM 272 /272L
- PHYS 151\*<sup>DP</sup>/151L\*<sup>DY</sup>
- PHYS 152\*<sup>DP</sup>/152L\*<sup>DY</sup>
- MATH 215\*<sup>FS</sup> or 241\*<sup>FS</sup> or 251A\*<sup>FS</sup>
- MATH 216 or 242 or 252A

### Notes

Department of Biology Advising: Edmondson 216; (808) 956-8303; [bioadv@hawaii.edu](mailto:bioadv@hawaii.edu)  
To schedule an advising appointment, visit [manoa.hawaii.edu/biology/advising](http://manoa.hawaii.edu/biology/advising).  
Department of Botany: St. John 101; (808) 956-8369; [www.botany.hawaii.edu](http://www.botany.hawaii.edu)  
Botany Undergraduate Advisor: Christy Cameron; (808) 956-6174; [ccamer@hawaii.edu](mailto:ccamer@hawaii.edu)