**University of Hawai‘i at Mānoa**  
College of Arts & Sciences Program Sheet 2010-2011  
Bachelor of Arts/Science (BA/BS) in Botany  
Admissions: Open  
Process: Declaration

Min. Total Credits: 124 (BA = 89 in core & major + 35 in electives; BS = 106 in core & major + 18 in electives)

### UHM General Education Core Requirements

**Foundations**
- FW
- FS
- FG (A / B / C)
- FG (A / B / C)

**Diversification**
- DA / DH / DL
- DA / DH / DL
- DB
- DP
- DY
- DS
- DS

* See degree, college and major requirements for courses that can also fulfill these.

### UHM Graduation Requirements

**Focus**
- H
- E (300+)
- O (300+)

- W
- W
- W
- W (300+)
- W (300+)

**Hawaiian / Second Language**
- 101
- 102
- 201
- 202

**Credit Minimums**
- 124 total applicable
- 30 in residence at UHM

**Grade Point Average**
- 2.0 cumulative or higher
- Good academic standing

### Degree Requirements

**Bachelor of Arts Requirement (Can also fulfill FS)**
- MATH 100, 100A, 112, 140, 203, 215, 241, 251A; PHIL 110, 110A, 111; BUS 250; ICS 141; or NREM 203

**Bachelor of Science Requirements**
- MATH 215 or 241
- MATH 216 or 242
- DB course
- CHEM 161*DP / 161*L*DY
- CHEM 162*DP / 162*L*DY
- PHYS 151*DP or 170*DP / 151*L*DY or 170*L*DY
- PHYS 152*DP or 272*DP / 152*L*DY or 272*L*DY

### College Requirements

**A & S Options – Complete at least one option**

*(BA Courses cannot double count with Gen. Ed. Core)*

- **Bachelor of Arts Breadth (3 credit each)**
  - AH
  - LLL
  - NS
  - SS

- **Bachelor of Arts Depth – see list of A & S depts.**
  - Minor
  - Certificate
  - 2nd A & S Major

- **Bachelor of Science**
  - See degree requirements above.

**Credit Minimums**
- 104 from A & S disciplines – see list
- 60 non-introductory

**Credit Maximums**
- 8 KRS activity
- 9 Directed Reading / Research
- 12 Practicum / Internship

### A & S Major Requirements

See back for major requirements. Meet regularly with your major advisor.
### Major Requirements for BA or BS in Botany

**Admission:** Open

**Application:** NA

Min. major credits: BA = 28 (44 with related requirements); BS = 33 (73 with related requirements)

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

### Requirements

<table>
<thead>
<tr>
<th>Botany Related Requirements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>☐ BA Only (16 credits)</strong></td>
<td><strong>☐ BS Only (40 credits)</strong></td>
</tr>
<tr>
<td>☐ ICS 101</td>
<td>☐ ICS 101</td>
</tr>
<tr>
<td>☐ CHEM 151<em>DP/151L</em>DY or higher</td>
<td>☐ CHEM 161<em>DP/161L</em>DY</td>
</tr>
<tr>
<td>☐ CHEM 152<em>DP/152L</em>DY or higher</td>
<td>☐ CHEM 162<em>DP/162L</em>DY</td>
</tr>
<tr>
<td>☐ PHYS 100<em>DP/100L</em>DY or higher</td>
<td>☐ PHYS 151<em>DP/151L</em>DY</td>
</tr>
<tr>
<td>☐ CHEM 272<em>DP/272L</em>DY</td>
<td>☐ MATH 215*FS or higher</td>
</tr>
<tr>
<td>☐ PHYS 152<em>DP/152L</em>DY</td>
<td>☐ MATH 216 or higher</td>
</tr>
</tbody>
</table>

### Botany Core Courses (see department for approved courses)

<table>
<thead>
<tr>
<th>☐ BA Only (28 credits)</th>
<th>☐ BS Only (33 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ BOT 201<em>DB/201L</em>DY</td>
<td>☐ BOT 201<em>DB/201L</em>DY, 461, or 410/410L</td>
</tr>
<tr>
<td>☐ BOT 351/351L</td>
<td>☐ BIOL 265<em>DB/265L</em>DY or BOT 351/351L</td>
</tr>
<tr>
<td>☐ BOT 350, 450, 453, 454, or 456</td>
<td>☐ BOT 350, 450, 453, 454, or 456</td>
</tr>
<tr>
<td>☐ BOT 410/410L, 446, or 470/470L</td>
<td>☐ BOT 470/470L</td>
</tr>
<tr>
<td>☐ BOT 430, 461, or 480</td>
<td>☐ BOT 430 or BOT 480</td>
</tr>
<tr>
<td>☐ BOT 399 (minimum 2 credits)</td>
<td>☐ BOT 462</td>
</tr>
<tr>
<td>☐ BIOL 275<em>DB/275L</em>DY, 375/375L; BOT 450, 462; or CMB 351</td>
<td>☐ BIOL 275<em>DB/275L</em>DY</td>
</tr>
<tr>
<td>☐ BIOL 375/375L</td>
<td>☐ BIOL 375/375L</td>
</tr>
</tbody>
</table>

In addition to the botany core courses listed above, approved biological courses beyond BOT 101/101L to reach **28 total credits:**

- ☐ ☐ ☐ ☐

### Notes

Colleges of Arts and Sciences, Student Academic Services: QLCSS 113; (808) 956-8755

Botany Department: St. John 101; (808) 956-8369; www.hawaii.edu/botany

Botany Undergraduate Advisor: Thomas Ranker; (808) 956-3930; ranker@hawaii.edu