



**University of Hawai'i at Mānoa**  
**Colleges of Arts & Sciences Program Sheet 2017-2018**  
**Bachelor of Science (BS) in Marine Biology**  
**Admissions: Open Process: Declaration**  
**Min. Total Credits: 120 (119 in core & major + 1 in electives)**

<b>UHM General Education Core Requirements</b>
<b>Foundations</b>
<input type="checkbox"/> FW ENG 100, 100A, 190, ESL 100, or AMST 111
<input type="checkbox"/> FS MATH 215, 241, or 251A
<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, 172
<input type="checkbox"/> DP CHEM 161
<input type="checkbox"/> DY BIOL 171L, 172L
<input type="checkbox"/> DS ECON 321
<input type="checkbox"/> DS
<i>* See degree, college and major requirements for courses that can also fulfill these.</i>
<b>UHM Graduation Requirements</b>
<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
• 35 major-required lower division/25 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

<b>Degree Requirements</b>
<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>
<b>College Requirements</b>
<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 Marine Biology

Admission: Open

Application: NA

Min. major credits: 58 (89-91 including all related requirements)

Min. exit GPA: 2.5 GPA in the major

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

### Requirements

#### Marine Biology Related Requirements (31-33 credits)

- MATH 215\*<sup>FS</sup> or 241\*<sup>FS</sup> or 251A\*<sup>FS</sup>
- MATH 216 or 242 or 252A
- ECON 321\*<sup>DS</sup> or NREM 310 or SOCS 225\*<sup>DS</sup> or MATH 373 or MATH 472
- CHEM 161\*<sup>DP</sup> /  161L\*<sup>DY</sup>
- CHEM 162 /  162L
- CHEM 272 /  272L
- PHYS 151\*<sup>DP</sup> /  151L\*<sup>DY</sup> or  170\*<sup>DP</sup> /  170L\*<sup>DY</sup>
- PHYS 152 /  152L or  272 /  272L

#### Biology Core Courses (26 credits)

- BIOL 171\*<sup>DB</sup> /  171L\*<sup>DY</sup>
- BIOL 172\*<sup>DB</sup> /  172L\*<sup>DY</sup>
- BIOL 265 /  265L (Fall only)
- BIOL 275 /  275L (Fall and Summer)
- BIOL 301 /  301L (Spring only)
- BIOL 375 /  375L (Spring only)

#### Marine Biology Additional Required Core (16 credits)

- OCN 201
- BOT 480 (Spring only)
- ZOOL 475 /  475L
- MICR 401 /  401L

#### BIOL 499: Directed Research or BIOL 403 (4 credits)

#### BIOL 404: Capstone Course (3 credits)

#### Approved Elective Courses (minimum 9 credits; see department for approved choices)

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

### Notes

Department of Biology Advising: Edmondson 216; (808) 956-5911; [bioadvise@hawaii.edu](mailto:bioadvise@hawaii.edu)

To schedule an advising appointment, visit [manoa.hawaii.edu/biology/advising](http://manoa.hawaii.edu/biology/advising).

Marine Biology Undergraduate Advisor: Diana Thompson; (808) 956-8303; [dianalt@hawaii.edu](mailto:dianalt@hawaii.edu)