Bachelor of Science (BS) in Marine Biology

Admissions: Open    Process: Declaration
Min. Total Credits: 120 (119 in core & major + 1 in electives)

### UHM General Education Core Requirements

#### Foundations
- FW: ENG 100, 100A, 190, ESL 100, or AMST 111
- FS: MATH 215, 241, or 251A
- FG (A / B / C)
- FG (A / B / C)

#### Diversification
- DA / DH / DL
- DA / DH / DL
- DB: BIOL 171, 172
- DP: CHEM 161
- DY: BIOL 171L, 172L
- 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
- 120 total applicable
- 30 in residence at UHM
- 35 major-required lower division/25 upper division (300+ level) credits

#### Grade Point Average
- 2.0 cumulative or higher (*Note: Other GPAs may be required.*)
- Good academic standing

### Degree Requirements

#### Bachelor of Science Requirements
- Calculus I
- Calculus II
- Chemistry I with lab
- Chemistry II with lab
- Physics I with lab
- Physics II with lab

*Refer to major requirements for the specific courses that satisfy these requirements.*

#### College Requirements

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

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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* or 241* or 251A*  
- MATH 216 or 242 or 252A  
- ECON 321* or NREM 310 or PSY/SOCS 225*  
- CHEM 161* / 161L*  
- CHEM 162 / 162L  
- CHEM 272 / 272L  
- PHYS 151* / 151L* or 170* / 170L*  
- PHYS 152 / 152L or 272 / 272L

**Biology Core Courses (26 credits)**

- BIOL 171* / 171L*  
- BIOL 172* / 172L*  
- BIOL 265 / 265L (offered Fall only)  
- BIOL 275 / 275L (offered Spring and Summer)  
- BIOL 301 / 301L (offered Spring only)  
- BIOL 375 / 375L (offered Fall only)

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

- OCN 201  
- BOT 480 (offered 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)**

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#### Notes

Department of Biology Advising: Edmondson 216; (808) 956-8303; bioadvis@hawaii.edu  
To schedule an advising appointment, visit manoa.hawaii.edu/biology/advising.  
Marine Biology Undergraduate Advisor: Diana Thompson; (808) 956-8303; dianalt@hawaii.edu

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