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
- FQ*: MATH 215, 241, or 251A
- FG (A / B / C)
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*Note: This requirement changed in Fall 2018. If you entered the UH System prior to that, please see your college/school advisor.

**Diversification**
- DA / DH / DL
- DA / DH / DL
- DB: BIOL 171, 172
- DP: CHEM 161
- DY: BIOL 171L, 172L
- DS: ECON 321
- DS

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

### UHM Graduation Requirements

**Focus**
- H
- E (300+)
- O (300+) BIOL 404
- W: BIOL 171L
- W: BIOL 265L
- W: BIOL 301L
- W (300+) BOT 480
- W (300+) BIOL 404

**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 SOCS 225* or MATH 373 or MATH 472
- CHEM 161* or 161L*  
- CHEM 162 or 162L  
- CHEM 272 or 272L
- PHYS 151* or 151L* or 170* or 170L*  
- PHYS 152 or 272

**Biology Core Courses (26 credits)**
- BIOL 171* or 171L*  
- BIOL 172* or 172L*  
- BIOL 265 or 265L *(Fall only)*  
- BIOL 275 or 275L *(Fall and Summer)*  
- BIOL 301 or 301L *(Spring only)*  
- BIOL 375 or 375L *(Spring only)*

**Marine Biology Additional Required Core (16 credits)**
- OCN 201
- BOT 480 *(Spring only)*  
- ZOOL 475 or 475L
- MICR 401 or 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**

Student Academic Success Center: Keller 213; (808) 956-5911; cnsadvis@hawaii.edu; www.hawaii.edu/natsci/advising  
Department of Biology: Edmondson 216; (808) 956-8303; biology@hawaii.edu; manoa.hawaii.edu/biology  
Marine Biology Undergraduate Advisor: Diana Thompson; (808) 956-8303; dianalt@hawaii.edu  

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