University of Hawai‘i at Mānoa  
College of Arts & Sciences Program Sheet 2010-2011  
Bachelor of Science (BS) in Marine Biology  
Admissions: Open  
Process: Declaration  
Min. Total Credits: 128 (128 in core & major + 0 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 Science Requirements
- MATH 215*FS or 241*FS
- MATH 216 or 242
- DB course
- CHEM 161*DP / 161L*DY
- CHEM 162*DP / 162L*DY
- PHYS 151*DP or 170*DP / 151L*DY or 170L*DY
- PHYS 152*DP or 272*DP / 152L*DY or 272L*DY

#### A & S Bachelor of Science Option

#### Bachelor of Science Required Courses
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 BS in Marine Biology

**Admission:** Open  
**Application:** NA  
**Min. major credits:** 63 (98 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 (35 credits)

- MATH 215\(^*\)FS or 241\(^*\)FS or 251A\(^*\)FS  
- MATH 216 or 242 or 252A  
- ECON 321\(^*\)DS or NREM 310  
- CHEM 161\(^*\)DP / 161L\(^*\)DY  
- CHEM 162\(^*\)DP / 162L\(^*\)DY  
- CHEM 272\(^*\)DP / 272L\(^*\)DY  
- CHEM 273\(^*\)DP  
- PHYS 151\(^*\)DP or 170\(^*\)DP / 151L\(^*\)DY or 170L\(^*\)DY  
- PHYS 152\(^*\)DP or 272\(^*\)DP / 152L\(^*\)DY or 272L\(^*\)DY

#### Biology Core Courses (25 credits)

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

#### Marine Biology Additional Required Core (23 credits)

- OCN 201  
- ZOOL 439  
- BOT 480  
- ZOOL 475 / 475L  
- BIOL 402 or BIOC 441  
- MICR 401 / 401L  
- BIOL 403: Field Problems in Marine Biology (4 credits)  
  BIOL 403 may be substituted with additional BIOL 499 directed research credits with advisor approval.

- BIOL 499: Directed Research (minimum 2 credits)

- BIOL 404: Capstone Course (3 credits)

#### Approved Elective Courses (minimum 6 credits; see department for approved choices)

- ________  
- ________  
- ________  
- ________  
- ________  
- ________  
- ________

### Notes

Colleges of Arts and Sciences, Student Academic Services: QLCSS 113; (808) 956-8755  
Marine Biology Department: Dean Hall 2; (808) 956-8303; marine-biology@hawaii.edu  
Marine Biology Undergraduate Advisor: Joseph Menor; (808) 956-8303; bioadvis@hawaii.edu