

2008/09 University of Hawaii-Hilo Catalog Degree Requirements:
BA, Marine Science Major Check Sheet (BA Degree)
 Online version: <http://www.uhh.hawaii.edu/academics/degrees/>

Name _____ I.D. _____

Curriculum requirements for graduation:

General Education Basic Requirements: 12 hours.			
Course	Hours	Grade	Term
<u>English Composition</u> ENG 100, 100T, ESL 100	3		
<u>Quantitative Reasoning</u> Any MATH 100, 200 level (excluding MATH 199, 299) Requirement fulfilled in Marine Science Major (Math 205,206)	3	-----	-----
<u>World Cultures</u> select 2 from: Agriculture: Ag 230 Anthropology: Anth 100 English: Eng 253, 254, 275 Geography: Geog 102 History: Hist 151, 152 Indigenous Studies: Klnd 240	6		

- Notes:**
- Assumes students are qualified at the ENG/ELS 100 level. If not, students may be required to take other courses as specified after taking the English Writing Placement Test
 - Students are required to review requirements for courses in catalog, such as pre-requisites or co-requisites for each course.

Writing Intensive Course Requirement			
The number of WI courses required depends on your class standing and year matriculated. Freshman and Sophomores will need to take <u>3 WI courses</u> , Juniors: <u>2 WI courses</u> , Seniors: <u>1 WI course</u> . One WI course must be numbered 300 or above. Please refer to catalog for information. WI courses are listed online: http://www.uhh.hawaii.edu/academics/wi/			
Course	Hours	Grade	Term

Hawaiian/Asian/Pacific Requirement			
One course is required in this area for graduation. There is a large list of courses to choose from in the catalog. The course used to fulfill this requirement may also be used to satisfy a General Education, Writing Intensive, or major/minor requirement.			
Course	Hours	Grade	Term
	3		

General Education Area Requirements: 38 hours.			
Course	Hours	Grade	Term
<u>Humanities Disciplines</u> Select 3 courses from 3 different disciplines (or 2 + approved Interdisciplinary course) Art Hawaiian Studies and Indigenous Studies Languages (including Hawaiian and Indigenous) Linguistics Performing Arts (Dance, Drama, Music) Philosophy Religious Studies Requirement partially fulfilled in Marine Science Major (Com 251 and Eng 225)	9		
<u>Social Sciences Disciplines</u> Select 3 courses from 3 different disciplines (or 2 + approved Interdisciplinary course) Anthropology Business 100 Econ. or Agricultural Econ. 201 Geography History Political Science Psychology Sociology Women's Studies	9		
<u>Natural Sciences Electives</u> Requirement fulfilled in Marine Science Major	10	-----	-----

Note: Additional requirements for graduation are continued on next page.

2008/09 Catalog: Marine Science Major Requirements (BA) (73-77 hours)

Biology & Marine Science Core: 32 hours.

Course	Hours	Grade	Term
MARE 171-171L* Marine Biology – Diversity	4		
MARE 172 Marine Biology – Cellular Processes	3		
MARE 201-201L* Oceanography	5		
MARE 250* Statistical Applications in Marine Science	3		
MARE 265* Marine Ecology and Evolution	3		
MARE 282 Global Change	3		
MARE 350 Coastal Methods and Analyses OR MARE 353 Pelagic Methods and Analyses	5		
Choose one sequence: MARE 470 (3) Senior Thesis Research & MARE 471 (3) Senior Thesis Report MARE 480 (3) Senior Internship + 3 credits of MARE electives at 300-400 level MARE 495 (3) Senior Seminar + 3 credits of MARE electives at 300-400 level	6		

*Prerequisites for most 300/400-level MARE courses

Required Courses from Related Fields: 23-24 hours.

Course	Hours	Grade	Term
CHEM 124, 124D, 124L General Chemistry I	5		
CHEM 125, 125D, 125L General Chemistry II	5		
PHYS 106, 170L College Physics (pre: 3 years of high school math)	4		
MATH 115 or 205 Calculus I	3-4		
COM 251 Public Speaking	3		
ENG 225 Writing for Science and Technology	3		

Notes:

- Electives should be chosen by the student in consultation with a marine science advisor.
- MARE 399, 499 – Directed Reading/Directed Studies does not count toward the major but as credits toward graduation. Only 6 hrs/semester; maximum of 12 toward degree.
- All courses in the major, including pre-requisites, electives and courses from related fields require a grade of 'C' or higher. This supersedes the 2.0 GPA mentioned as part of the general requirements.

Electives: 18 hours. Select 9 semester hours from Group 1 and 9 hours from Group 2. Some of these courses have pre-requisites which you should review in catalog.

Group 1 Course	Hours	Grade	Term

- MARE 264 (3) Quantitative Underwater Ecological Survey Techniques (QUEST)
- MARE 310 (3) The Atoll Ecosystem
- MARE 325 (3) Coral Reef Ecology
- MARE 350 (4) Coastal Methods and Analysis
or 353 (4) Pelagic Methods and Analysis
- MARE 360 (3) Marine Resources
- MARE 364 (3) Advanced QUEST
- MARE 366 (3) Tropical Marine Research Investigations
- MARE 371, 371L (4) Biology of Marine Invertebrates and Lab
- MARE 372, 372L (4) Biology of Marine Plants and Lab
- MARE 390, 390L (4) Biology of Marine Mammals and Lab
- MARE 394A-Z (1-3) Special Topics in Marine Science
- MARE 425 (3) Chemical Oceanography
- MARE 434 (3) Teaching Marine Science
- MARE 435 (3) Marine Field Experience for Teachers
- MARE 440 (3) Physical Oceanography
- MARE 444 (3) Biological Oceanography
- MARE 445 (3) Marine Microbial Ecology
- MARE 460 (3) Marine Conservation
- MARE 461 (3) Geological Oceanography
- MARE 484 (3) Biology of Fishes
- MARE 484L (1) Biology of Fishes Lab
- MARE 490, 490L (4) Marine Reptile Conservation and Ecology and Lab
- MARE 494A-Z (1-3) Special Topics in Marine Science

Group 2 Course	Hours	Grade	Term

- AGEN 400 (4) Aquacultural Engineering
- AQUA 262 (3) Introduction to Aquaculture
- AQUA 425, 425L (4) Water Quality and Aquatic Productivity and Lab
- AQUA 450, 450L (4) Aquaculture Production Techniques and Lab
- AQUA 466 (3) Fisheries Science
- COM 352 (3) Small Group Communication
- COM 441 (3) Leadership and Communication
- CS 300 (3) Web Site Management
- ECON 380 (3) Natural Resource and Environmental Economics
- GEOG 309 (3) Biogeography
- GEOG 326 (3) Natural Resources
- GEOG 331 (3) Tourism Geography
- GEOG 340 (3) Principles of Land Use Planning
- GEOG 440 (3) Advanced Environmental Planning
- GEOG 470 (3) Remote Sensing and Air Photo Interpretation
- GEOG 480 (3) Geographic Information Systems and Computer Mapping
- GEOL 344 (3) Coastal Geology
- NRES 325 (3) Environmental Issues in Asia – Pacific
- PHIL 323 (3) Professional Ethics
- POLS 335 (3) Environmental Politics and Policy
- PSY 323 (3) Community Psychology
- SOC 305 (3) Organizational Theory and Analysis

Additional General Requirements for all Baccalaureate Degrees.

Indicate with "(√)" that requirement is met.

120 hours(minimum) required for degree	()
30 hours must be completed in the College of Arts and Sciences	()
9 hours in major elective courses 300 level or above must be completed	()
22 hours must be 300 level or above (Requirement fulfilled in Marine Science Major)	()
Cum 2.00 GPA in all coursework	()
Cum 2.00 GPA in major area coursework	()
Cum 2.00 GPA in minor area coursework	()