

# B.S. – MARINE SCIENCE

## MARINE BIOLOGY CONCENTRATION

All Marine Science students must earn a **2.0 GPA** in all science and math courses

### Core Course Requirements: 80 credits

- MARS 1200 Introduction to Marine Biology w/lab (4)
- MARS 1300 Introduction to Oceanography (4)
- MARS 2200 Marine Biology Meth. & Anal (4)
- MARS 2600 Marine Science Seminar (1)
- CHEM 2110/15 Chemistry I w/lab (5)
- CHEM 2120/25 Chemistry II Organic w/lab (5)
- BIOL 1200/05 Cells & Molecules (5)
- BIOL 1400/05 Biodiversity & Evolution (5)
- PHYS 2110/15 Physics for Life Sciences I w/lab (5) **OR**
- PHYS 2220/25 Physics I w/lab (6)
- PHYS 2120/25 Physics for Life Science II w/lab (5) **OR**
- PHYS 2230/35 Physics II w/lab (6)
- Statistics 2000-4000 level (4) \_\_\_\_\_

#### Choose ONE course

- MARS 3306 Aquaculture (4)
- MARS 3307 Fisheries Science and Management (4)
- MARS 3201 Marine Conservation Ecology (4)

#### Choose ONE course from THREE of FOUR Groups:

##### Group I: General Ecology

- BIOL 2100 Ecology (4) **OR**
- ENVL 2200/05 Ecological Principles (4)

##### Group II: Marine Plants

- MARS 3335 Marine Botany (4)

##### Group III: Invertebrate taxonomy

- MARS 3300 Invertebrate Zoology (4)

##### Group IV: Vertebrate taxonomy

- MARS 3340 Introduction to Ichthyology (4) **OR**
- MARS 3489 Marine Mammalogy (4)

#### Choose TWO courses:

- MARS 3309 Coastal Oceanography w/lab (4)
- MARS 3361/65 Global Ocean Basins w/lab (4)
- MARS 3420 Biological Oceanography (4)
- GEOL 2110/2115 Marine Geology w/lab (4)

MARS Cognates: BCMB, BIOL, CHEM, ENVL, GEOL, MATH, PHYS or SUST

#### Choose ENVL or other NAMS courses to equal 80 total program credits.

- MARS/Cognate \_\_\_\_\_
- MARS/Cognate \_\_\_\_\_
- MARS/Cognate \_\_\_\_\_

### Quantitative Reasoning Requirements (3 courses)

Two Q1 courses may be in transfer. Q2 courses must be taken at Stockton

Q1 \_\_\_\_\_ Q2 \_\_\_\_\_ Q1 or Q2 \_\_\_\_\_



### General Studies Requirements: 48 credits Total

32 Credits in 'G' Category Courses

No more than 12 credits in any one "G" category may be applied towards the BS degree

- General Interdisciplinary (GEN) – up to 4 credits
- General Integration & Synthesis (GIS) – up to 4 credits\*
- General Arts and Humanities (GAH) – up to 8 credits
- General Natural Science & Math (GNM) – up to 8 credits
- General Social Science (GSS) – up to 8 credits

\*Must be taken junior or senior year

### At Some Distance Electives: 16 credits

Courses unrelated to your major

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### General Studies Outcome Requirement

These courses are listed as attributes and should be completed within the 128 credits needs to graduate.

- Arts (A)  Historical Consciousness (H)
- Values/Ethics (V)  International/Multicultural (I)

### Writing Requirement (4 courses)

Two W1 courses may be in transfer. W2 courses must be taken at Stockton

W1 \_\_\_\_\_ W1/W2 \_\_\_\_\_

W1/W2 \_\_\_\_\_

W1/W2–3000 level \_\_\_\_\_

"The student is responsible for insuring that all graduation requirements are met" (Bulletin). Consult with your preceptor and/or the Center for Academic Advising on a regular basis. Prerequisites must be met; consult the Catalog of Courses for information.