

# B.A. – MARINE SCIENCE

## OCEANOGRAPHY CONCENTRATION

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

### Core Course Requirements: 64 credits

- MARS 1200 Introduction to Marine Biology w/lab (4)
- MARS 1300 Intro to Oceanography (4)
- MARS 2300 Oceanographic Methods (2)
- CHEM 2110/15 Chemistry I w/lab (5)
- CHEM 2140 Chemistry IV w/lab (4)
- MATH 2215 Calculus (5)
- MATH 2216 Calculus II (4-5) **OR**  
any 2000 level Statistics \_\_\_\_\_
- PHYS 2220/25 Physics I w/lab (6)
- MARS 2600 Marine Science Seminar (1)
- Data Course:** ENVL 3302 Geographic Information Systems (4) **OR** MARS \_\_\_\_\_ (4)

Choose TWO courses

- CHEM 2120/25 Chemistry II Organic w/lab (5)
- MARS 3305 Coastal Processes: Beaches (4)
- PHYS 2230/35 Physics II w/lab (6)

Choose THREE courses

- MARS 3309 Coastal Oceanography (4)
- GEOL 2110/15 Marine Geology (5) **OR**  
other suitable GEOL 2000-4000 \_\_\_\_\_
- MARS 3361/65 Global Ocean Basins w/lab (4)
- MARS 3420 Biological Oceanography (4)

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



### General Studies Outcome Requirement

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

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|--|--|
| Arts (A) <input type="checkbox"/>          | Historical Consciousness (H) <input type="checkbox"/>    |
| Values/Ethics (V) <input type="checkbox"/> | International/Multicultural (I) <input type="checkbox"/> |

### General Studies Requirements: 64 credits Total

32 Credits in 'G' Category Courses

**No more than 16 credits in any one "G" category may be applied towards the BA 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

### 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 \_\_\_\_\_

### At Some Distance Electives: 32 credits

Courses unrelated to your major

\_\_\_\_\_

\_\_\_\_\_

### Quantitative Reasoning Requirements (3 courses)

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

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