

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

- MATH 2210 Calculus for Life Sciences (5) **OR**
MATH 2215 Calculus I (5)
- Statistics 2000-4000 level (4) _____
- MARS 2201 Introduction to Marine Biology (4)
- MARS 2202 Introduction to Oceanography (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)

Choose ONE course

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

Choose ONE course from THREE of FOUR Groups:

Group I: General Ecology

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

Group II: Marine Plants

- MARS 3335 Marine Botany

Group III: Invertebrate taxonomy

- MARS 3300 Invertebrate Zoology

Group IV: Vertebrate taxonomy

- MARS 3340 Introduction to Ichthyology **OR**
MARS 3489 Marine Mammalogy

Choose TWO courses:

- MARS 3309 Coastal Oceanography
- MARS 3361/65 Global Basins w/lab
- GEOL 2110/2115 Marine Geology w/lab (8-9)

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

General Studies Outcome Requirement

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

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

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.