This document is not a substitute for academic advisement.

Approved by The Marine Science Program (February 2022)

2022-2023

Degree Map: Marine Science – Marine Biology (BA)

Marine Science Program

School of Natural Science & Mathematics| Stockton University

USC 1 - 240 | 609-652-4546

The following is a **suggested** plan of study for completion of this degree program.

The **goal of a Degree Map** is to ensure that students graduate with no more than 128 credits and in four years.

- All students should speak with their preceptor about their academic programs.
- Students are encouraged to take overload and Summer courses to facilitate their progress towards graduation as necessary.
- Transfer students may not need to take all courses in the plan; they should consult with an academic advisor.

FIRST YEAR - FALL	Credit	FIRST YEAR - SPRING	Credit
Course load	**17**	**Course load**	**17**
First-year seminar **Optional Attributes:** W, A, H, I, R, and/or V	**4**	G-course **Optional Attributes:** W, A, H, I, R, and/or V	**4**
MARS 1200 Intro to Marine Biology **(C-)** (**Fall only**)	**4**	MARS 2200 Marine Biology Methods & Analysis **(C-), Attributes:** W1, Q2 (**Spring only**)	**4**
BIOL 1200 & 1205 Cells & Molecules w/lab	**5**	MARS 1300 Introduction to Oceanography **(C-)** (Fall and Spring)	**4**
MATH 1100 Precalculus **Attribute:** Q1	**4**	BIOL 1400 & 1405 Biodiversity & Evolution & lab	**5**

SECOND YEAR - FALL	Credit	SECOND YEAR - SPRING	Credit
Course load	**17**	**Course load**	**17**
G-course **Optional Attributes:** W, A, H, I, R, and/or V	**4**	G-course **Optional Attributes:** W, A, H, I, R, and/or V	**4**
CHEM 2110/15 Chem I: General Chemistry w/lab **Attribute:** Q2	**5**	ASD course **Optional Attributes:** W, A, H, I, R, and/or V	**4**
BIOL 2100 Ecology (Fall and Spring) **Attribute:** Q2	**4**	CHEM 2120/25 Chem II: Organic Reactions w/lab	**5**
ASD course **Optional Attributes:** W, A, H, I, R, and/or V	**4**	MARS 3xxx Upper-level MARS elective[1]	**4**

THIRD YEAR - FALL	Credit	THIRD YEAR - SPRING	Credit
Course load	**17**	**Course load**	**13**
G-course **Optional Attributes:** W, A, H, I, R, and/or V	**4**	G-course **Optional Attributes:** W, A, H, I, R, and/or V	**4**
ASD course **Optional Attributes:** W, A, H, I, R, and/or V	**4**	MARS 2600 Marine Science seminar (Fall and Spring)	**1**
PHYS 2110 Physics for Life Sciences w/lab **Attribute:** Q1	**4**	MARS 3xxx Upper-level MARS elective[1]	**4**
MARS 3xxx Upper-level MARS elective[1]	**4**	ASD course **Optional Attributes:** W, A, H, I, R, and/or V	**4**

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FOURTH YEAR - FALL	Credit	FOURTH YEAR - SPRING	Credit
Course load	**16**	**Course load**	**16**
G-course **Optional Attributes:** W, A, H, I, R, and/or V	**4**	G-course **Optional Attributes:** W, A, H, I, R, and/or V	**4**
MARS 3xxx Upper-level MARS elective[1]	**4**	MARS 3105 – Biostatistics (**Fall only**) **Attribute:** Q1	**4**
ASD course Optional Attributes: W, A, H, I, R, and/or V	**4**	ASD course Optional Attributes: W, A, H, I, R, and/or V	**4**
ASD course Optional Attributes: W, A, H, I, R, and/or V	**4**	ASD course Optional Attributes: W, A, H, I, R, and/or V	**4**

GRADUATION REQUIREMENT TRACKER

G-course	✓
GAH	
GAH	
GEN	
GIS	
GNM	
GNM	
GSS	
GSS	

Quantitative Reasoning	✓
Q1 (First year)	
Q1/Q2	
Q2	

Writing Requirement	✓
W1 (First year)	
W1/W2	
W1/W2	
W1/W2 (3000 level or higher)	

At-some-distance	✓
ASD	
ASD	
ASD	
ASD	

Attributes	✓
A	
H	
I	
R1	
R2	
V	

Program specific notes

- **(C-)** = Students must earn a grade of C- or higher to be able to take higher-level courses.
- [1]**Courses offered in Fall vs Spring**. Some of our courses are offered on a predictable rotation, and you can use this information to plan ahead. This list does **NOT** include all MARS courses. You should consult the course listings for other courses that are offered at varied schedules.
    - **Offered Both Semesters**: BIOL 2100 Ecology (**Attribute**: Q2), MARS 1300 Introduction to Oceanography, MARS 2200 Marine Science Seminar.
    - **Offered Fall Only**: MARS 1200 Introduction to Marine Biology, MARS 3105 Biostatistics I (**Attribute:** Q1), MARS 3309 Coastal Oceanography, MARS 3335 Marine Botany (**Attribute:** W2), MARS 3340 Introduction to Ichthyology, GEOL 2110/2115 Marine Geology.
    - **Offered Spring Only**: MARS 2200 Marine Biology Methods and Analysis (**Attribute:** W1, Q2), MARS 2300 Oceanographic Methods, MARS 3300 Invertebrate Zoology, MARS 3307 Fisheries Science & Management, MARS 3361/3365 Global Ocean Basins (**Attribute:** Q2), MARS 3420 Biological Oceanography (**Attribute:** W2), MARS 3489 Marine Mammalogy.
    - **Offered Odd Year Fall semesters (Fall 2019, Fall 2021, etc.):** MARS 3107 Data Methods in Marine Science.
    - **Offered Even Year Fall semesters (Fall 2020, Fall 2022, etc.):** MARS 3201 Marine Conservation Ecology (**Attribute:** V, W2), MARS 3305 Coastal Processes: Beaches.
    - **Offered Even Year Spring semesters (Spring 2020, Spring 2022, etc.):** MARS 3416 Tropical Marine Biology.

ADDITIONAL INFORMATION

- **FIRST (FRST).** All newly admitted freshmen or transfer students with 15 or fewer credits are required to fulfill the University's first-year competency requirement. The requirement may be met by demonstrating competency on the placement tests, or by passing, with a grade of C or better, all FRST courses: FRST 1101 – College Writing, 1002 – Critical Thinking and Reading, and 1103 – Quantitative Reasoning into which students have been placed. Students enrolled in FRST 1100 – Developmental Mathematics must receive a grade of C or better, and then enroll in and receive a grade of C or better in FRST 1103 to demonstrate competency. Full-time students must register for all required FRST courses in their first semester. Depending on time to completion of competency requirements, some students may need additional time for degree completion. *Note*- certain FRST courses also meet the requirements of the General Studies course distribution categories.
- **General Studies.** B.A. students must complete 64 credits of General Studies with the distribution requirement of: 8 GAH, 4 GEN, 4 GIS, 8 GNM, 8 GSS and 32 ASD (At Some Distance). B.S. students must complete 48 credits of General Studies with the distribution requirement of: 8 GAH, 4 GEN, 4 GIS, 8 GNM, 8 GSS and 16 ASD. See 2022-2023 Bulletin for more information.
- **W1/W2- Writing requirement.** Students are required to complete (C or better) four Writing intensive (WI/W2) courses. One W1 is required in the first year and an additional three W1 or W2 with one in the upper-level division (3000-level or higher). W1/W2 courses can be found in General Studies or Program/cognate courses depending on major.
- **Q1/Q2- Quantitative Reasoning.** Students are required to complete (D- or better) three Q1/Q2 courses. One Q1 in the first year and at least one Q2. Q1/Q2 courses may be found in General Studies or Program/cognate course depending on major.
- **R1/R2- Race and Racism.** Students are required to pass one R1 and another R1/R2 course. R1 (C or better), R2 (D or better). R1/R2 courses may be found in General Studies or Program/cognate courses depending on major.
- **Minor program.** Students may select a Minor program of study, in consultation with their preceptor. Minor courses would replace some of the ASD or Program/cognate courses in the Degree Map.
- **Attributes (AHVI/Q, W and R).** A course may fulfill multiple attributes and/or other requirements. Therefore, many attributes can be fulfilled without taking additional courses. Attributes can be taken in any order except for the first-year requirements. Many course choices are available to fulfill an attribute.
- **Transfer students.** Transfer students must take 25% of their remaining credits in General Studies with a GIS course required (The 25% Rule). Depending on transferred courses, individual attribute requirements may be met (AHVI/Q, W and R) but will be evaluated on transfer. For students transferring 64 credits or more, the General Studies course requirement is lowered to 16 credits (i.e. only four G courses are required, but all students must take 4 credits in the GIS category, the other three G courses can be any combination of the G course categories). Up to two W1 and two Q1 courses can be transferred, all W2 and Q2 courses need to be taken at Stockton. Up to one R1 or R2 can be transferred. Consult with an academic advisor for careful guidance.
- **Second degree.** Students with an earned degree will be exempt from all general studies course requirements (i.e. G courses, ASD) and AHVI/Q, W and R attributes.