

As of February 22, 2023

2023-2024 Degree Map: B.S. Marine Science - Oceanography
School of Natural Sciences & Mathematics | Stockton University
USC1 – 240 | (609) 652-4546

This 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 greater than 128 credits and in four years.

- All students should speak with their preceptor about their academic programs. Students are advised to reference their Degree Works for information about their program's At-Some-Distance and Cognate courses.
- Transfer students may not need to take all courses in the plan; they should consult with an academic advisor.

FIRST YEAR – FALL SEMESTER	
MARS 1200 Intro to Marine Biology (C-) (Fall only)	4 credits
MARS 1300 Introduction to Oceanography (C-) (Fall and Spring)	4 credits
MATH 1100 Precalculus Attribute: Q1	4 credits
Subject: FRST or G-course Attribute: W1	4 credits
Total Course Load as of First Year Fall Semester	16 credits

FIRST YEAR – SPRING SEMESTER	
CHEM 2110/15 Chem I: General Chemistry w/lab ¹ Attribute: Q2	5 credits
MARS 2200 Marine Biology Methods & Analysis (C-), Attribute: W1, Q2 (Spring only)	4 credits
MATH 2215 Calculus I Attribute: Q1	5 credits
Subject: ASD or G-course Attribute: A, H, I, R, and/or V	4 credits
First Year Credit Total Overall	34 credits

SECOND YEAR – FALL SEMESTER	
MATH 2216 Calculus II	5 credits
PHYS 2220/25 General Physics I w/lab Attribute: Q2	6 credits
Subject: G-course Attribute: A, H, I, R, and/or V	4 credits
Total Course Load as of Second Year Fall Semester	49 credits

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SECOND YEAR – SPRING SEMESTER	
G-course Optional Attributes: W, A, H, I, R, and/or V	6 credits
ASD course Optional Attributes: W, A, H, I, R, and/or V	4 credits
PHYS 2230/35 General Physics II w/lab Attribute: Q1	6 credits
Second Year Credit Total Overall	65 credits

THIRD YEAR – FALL SEMESTER	
G-course Optional Attributes: W, A, H, I, R, and/or V	4 credits
ASD course Optional Attributes: W, A, H, I, R, and/or V	4 credits
CHEM 2120/25 Chem II: Organic Reactions w/lab ¹	5 credits
MARS 3xxx Upper-level MARS elective ²	4 credits
Total Course Load as of Third Year Fall Semester	82 credits

THIRD YEAR – SPRING SEMESTER	
G-course Optional Attributes: W, A, H, I, R, and/or V	4 credits
MARS 3xxx Upper-level MARS elective ²	1 credit
MARS 2600 Marine Science Seminar	4 credits
CHEM 2140 Chem IV: Theory & Applications Attribute: Q2 ¹	4 credits
ASD course Optional Attributes: W, A, H, I, R, and/or V	4 credits
Third Year Credit Total Overall	99 credits

FOURTH YEAR – FALL SEMESTER	
G-course Optional Attributes: W, A, H, I, R, and/or V	4 credits
ASD course Optional Attributes: W, A, H, I, R, and/or V	4 credits
MARS 3xxx Upper-level MARS elective ²	4 credits
MARS 3xxx Upper-level MARS elective ²	4 credits
Total Course Load as of Fourth Year Fall Semester	115 credits

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FOURTH YEAR – SPRING SEMESTER	
G-course Optional Attributes: W, A, H, I, R, and/or V	4 credits
ASD course Optional Attributes: W, A, H, I, R, and/or V	4 credits
MARS 3xxx Upper-level MARS elective ²	4 credits
MARS 3xxx Upper-level MARS elective ²	4 credits
Fourth Year Credit Total Overall	131 credits

Program Specific Notes

- (C-) = Students must earn a grade of C- or higher to be able to take higher-level courses.
- ¹ At Stockton, Chemistry I and IV are 'General Chemistry' while CHEM II and CHEM III are 'Organic Chemistry', thereby students may proceed to CHEM II or CHEM IV after taking CHEM I with lab.
- ² **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, MARS 3105 Biostatistics I (**Attribute:** Q1), MARS 3300 Invertebrate Zoology.
 - **Offered Fall Only:** MARS 1200 Introduction to Marine Biology, 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:** Q2), MARS 2300 Oceanographic Methods, , 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.