

As of February 22, 2023

**2023-2024 Degree Map: B.A. Marine Science - Oceanography**  
**School of Natural Sciences and 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.

<b>FIRST YEAR – FALL SEMESTER</b>	
First-year seminar <b>Optional Attributes:</b> A, H, I, R, and/or V	<b>4 credits</b>
MARS 1200 Intro to Marine Biology (C-) <b>(Fall only)</b>	<b>4 credits</b>
MARS 1300 Introduction to Oceanography (C-) (Fall and Spring)	<b>4 credits</b>
MATH 1100 Precalculus <b>Attribute:</b> Q1	<b>4 credits</b>
<b>Total Course Load as of First Year Fall Semester</b>	<b>16 credits</b>

<b>FIRST YEAR – SPRING SEMESTER</b>	
G-course <b>Attribute:</b> W1; <b>Optional Attributes:</b> A, H, I, R, and/or V	<b>4 credits</b>
CHEM 2110/15 Chem I: General Chemistry w/lab <sup>1</sup> <b>Attribute:</b> Q2	<b>5 credits</b>
MARS 2300 Oceanographic Methods (C-) <b>(Spring only)</b>	<b>2 credits</b>
MATH 2215 Calculus I <b>Attribute:</b> Q1	<b>5 credits</b>
<b>First Year Credit Total Overall</b>	<b>32 credits</b>

<b>SECOND YEAR – FALL SEMESTER</b>	
G-course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4 credits</b>
MATH 2216 Calculus II	<b>4 credits</b>
PHYS 2220/25 General Physics I w/lab <b>Attribute:</b> Q2	<b>4 credits</b>
<b>Total Course Load as of Second Year Fall Semester</b>	<b>42 credits</b>

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<b>SECOND YEAR – SPRING SEMESTER</b>	
G-course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4 credits</b>
ASD course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4 credits</b>
CHEM 2120/25 Chem II: Organic Reactions w/lab <sup>1</sup> <b>OR</b> PHYS 2230/35 General Physics II w/lab <b>Attribute:</b> Q2 (PHYS 2235 Only)	<b>5 credits</b>
MARS 3xxx Upper-level MARS elective <sup>2</sup>	<b>4 credits</b>
<b>Second Year Credit Total Overall</b>	<b>59 credits</b>

<b>THIRD YEAR – FALL SEMESTER</b>	
G-course <b>Attribute:</b> W, A, H, I, R, and/or V	<b>4 credits</b>
ASD course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4 credits</b>
ASD course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4 credits</b>
MARS 3xxx Upper-level MARS elective <sup>2</sup>	<b>4 credits</b>
<b>Total Course Load as of Third Year Fall Semester</b>	<b>75 credits</b>

<b>THIRD YEAR – SPRING SEMESTER</b>	
G-course <b>Attribute:</b> W, A, H, I, R, and/or V	<b>4 credits</b>
ASD course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4 credits</b>
MARS 2600 Marine Science Seminar	<b>1 credit</b>
CHEM 2140 Chem IV: Theory & Applications <sup>1</sup> <b>Attribute:</b> Q2	<b>4 credits</b>
MARS 3xxx Upper-level MARS elective <sup>2</sup>	<b>4 credits</b>
<b>Third Year Credit Total Overall</b>	<b>92 credits</b>

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FOURTH YEAR – FALL SEMESTER	
G-course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4 credits</b>
ASD course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4 credits</b>
ASD course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4 credits</b>
MARS 3xxx Upper-level MARS elective <sup>2</sup>	<b>4 credits</b>
<b>Total Course Load as of Fourth Year Fall Semester</b>	<b>108 credits</b>

FOURTH YEAR – SPRING SEMESTER	
G-course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4 credits</b>
ASD course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4 credits</b>
ASD course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4 credits</b>
MARS 3xxx Upper-level MARS elective <sup>2</sup>	<b>4 credits</b>
<b>Fourth Year Credit Total Overall</b>	<b>124 credits</b>

**Program Specific Notes**

- (C-) = Students must earn a grade of C- or higher to be able to take higher-level courses.
- <sup>1</sup> 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.
- <sup>2</sup> **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.

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- **Offered Even Year Fall semesters (Fall 2020, Fall 2022, etc.):** MARS 3201 Marine Conservation Ecology (**Attribute:** V, W2), MARS 3305 Coastal Processes: Beaches.

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