

of February 8, 2023

2023-2024 Degree Map: B.S. Biology - General
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.

FIRST YEAR – FALL SEMESTER	
MATH 1100 Precalculus ¹ Attribute: Q1	4 credits
BIOL 1200/1205 Cells & Molecules w/lab	5 credits
FRST or G-course Attribute: First Year Seminar Optional Attributes: W, A, H, I, R, and/or V	4 credits
FRST, ASD, or G-course Attribute: W1; Optional Attributes: A, H, I, R, and/or V	4 credits
Total Course Load as of First Year Fall Semester	17 credits

FIRST YEAR – SPRING SEMESTER	
BIOL 1400/1405 Biodiversity & Evolution w/lab	5 credits
CHEM 2110/2115 Chemistry I: General Principles w/lab Attribute: Q2	5 credits
FRST, ASD, or G-course Optional Attributes: W, A, H, I, R, and/or V	4 credits
First Year Credit Total Overall	31 credits

SECOND YEAR – FALL SEMESTER	
CHEM 2120/2125 Chemistry II: Organic Structure w/lab	5 credits
BIOL or other NAMS elective ^{2,3}	4 credits
ASD or G-course Optional Attributes: W, A, H, I, R, and/or V	4 credits
ASD or G-course Optional Attributes: W, A, H, I, R, and/or V	4 credits
Total Course Load as of Second Year Fall Semester	48 credits

of February 8, 2023

2023-2024 Degree Map: B.S. Biology - General
School of Natural Sciences and Mathematics | Stockton University
USC1 – 240 | (609) 652-4546

SECOND YEAR – SPRING SEMESTER	
BIOL 2110/2115 Genetics w/lab Attribute: Q2	4 credits
BIOL 2600 Scientific Literacy ⁴	1 credit
BIOL or other NAMS elective ^{2,3}	4 credits
ASD or G-course Optional Attributes: W, A, H, I, R, and/or V	4 credits
ASD or G-course Optional Attributes: W, A, H, I, R, and/or V	4 credits
Second Year Credit Total Overall	65 credits

THIRD YEAR – FALL SEMESTER	
PHYS 2110/2115 Physics for Life Sciences I w/lab OR PHYS 2220/25 Physics I ⁵ Attribute: Q1	5-6 credits
CHEM elective ⁶	4 credits
BIOL 4600 Biology Seminar ⁷	1 credit
ASD or G-course Optional Attributes: W, A, H, I, R, and/or V	4 credits
Total Course Load as of Third Year Fall Semester	79-80 credits

THIRD YEAR – SPRING SEMESTER	
PHYS 2120/2125 Physics for Life Sciences II w/lab OR PHYS 2230/35 Physics II ⁵ Attribute: Q1	5-6 credits
Upper-level biology elective ⁸	4 credits
BIOL or other NAMS elective ^{2,3}	4 credits
ASD or G-course Optional Attributes: W, A, H, I, R, and/or V	4 credits
Third Year Credit Total Overall	96-98 credits

2023-2024 Degree Map: B.S. Biology - General
School of Natural Sciences and Mathematics | Stockton University
USC1 – 240 | (609) 652-4546

FOURTH YEAR – FALL SEMESTER	
Upper-level biology elective ⁸	4 credits
BIOL or other NAMS elective ^{2,3,9}	4 credits
BIOL or other NAMS elective ^{2,3,9}	4 credits
ASD or G-course Optional Attributes: W, A, H, I, R, and/or V	4 credits
Total Course Load as of Fourth Year Fall Semester	112-114 credits

FOURTH YEAR – SPRING SEMESTER	
Upper-level biology elective ⁸	4 credits
BIOL or other NAMS elective ^{2,3,9}	4 credits
ASD or G-course Optional Attributes: W, A, H, I, R, and/or V	4 credits
ASD or G-course Optional Attributes: W, A, H, I, R, and/or V	4 credits
Fourth Year Credit Total Overall	128-130 credits

Program Specific Notes

- * Credit for BIOL 1200/05, 1400/05, 2600, and 2110/2115 (**Attribute:** Q2) may only be earned with a C grade or higher. Students must have a minimum overall 2.0 GPA for all NAMS courses. No biology core or cognate course may be taken P/NC and be counted toward any degree track in biology.
1. Dependent on first-year math competency placement. MATH 1100 Precalculus (**Attribute:** Q1) is a prerequisite for BIOL 2110/2115 Genetics (**Attribute:** Q2).
 2. Courses may be from: BCMB, BIOL, CHEM, CPLS, ENVL, GEOL, MARS, MATH, PHYS, SUST, or other courses approved by preceptor.
 3. **Ecology (Plants) requirement.** Among their chosen science electives, students must take at least ONE course that focuses on ecology and/or plants. This course can also be used to satisfy part of the upper-level requirement (if 3000-level or higher; see below). Courses that will fulfill this requirement include (but are not necessarily limited to) the following: BIOL 2100 (**Attribute:** Q2) or 2120 or 2126 or 3180 or 3184 or 3365 or 3370 (**Attribute:** Holistic Health IMHL) or 3414 or 3416 or 3417 or 3419 or 3440 or 3465 or 3416 or 3450 or 3465 or 3370 (**Attribute:** Holistic Health IMHL) or ENVL 2200 or 3414 or 3416 or 3419 or MARS 3335 (**Attribute:** W2) or 3336 or 3416 or SUST 3440 or 3450.
 4. Recommended in the Spring term of the second year.
 5. Instead of a physics course, students may take one of the following three chemistry courses: CHEM 2130 (Chemistry III), CHEM 2140 (Chemistry IV), or CHEM/Biol 3250 (Biochemistry). Since these chemistry courses are 4 credits rather than 5 credits, students opting for chemistry instead of physics may need to make up 1 or 2 science credits.

of February 8, 2023

2023-2024 Degree Map: B.S. Biology - General
School of Natural Sciences and Mathematics | Stockton University
USC1 – 240 | (609) 652-4546

6. Must be CHEM 2130 (Chemistry III: Organic Reactions), CHEM 2140 (Chemistry IV: Theory & Application), or CHEM/BIO 3250 (Biochemistry). Since CHEM I and IV are 'General Chemistry' and CHEM II and III are 'Organic Chemistry', students only need Chemistry I to proceed to Chemistry IV.
7. Recommended in the third year but may be taken in the second or fourth year
8. **Upper-Level Biology requirement.** Students must take at least 12 credits of upper-level biology (BIOL 3000-4999) at Stockton. No transfer work is allowed for this requirement. Independent studies may not be used for this requirement. Non-BIOL courses that **are allowed** to meet this requirement include: CHEM 3250, GEOL 3242, PHYS 3030 (**Attribute:** Behavioral Neuroscience IMBN), SUST 3450, MARS 3300, 3340, 3105 (**Attribute:** Q1), 3106, 3333, 3306, 3416, 3489, and ENVL 3423, 3426, 3121, 3136, 3413, 3433.
9. BIOL 4800/4900 BIOL Senior Project (2-4 credits) with poster session optional but strongly encouraged. Required to be considered for program distinction.