

**2023-2024 Degree Map: B.S. Biochemistry/Molecular Biology**  
**School of Natural Sciences & Mathematics | Stockton University**  
**USC 1 – 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

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<b>SECOND YEAR – SPRING SEMESTER</b>	
CHEM 2140 Chemistry IV Theory & App w/lab <sup>1</sup> <b>Attribute: Q2</b>	<b>5 credits</b>

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**Program Specific Notes**

- A minimum overall **2.0 GPA** is required in Program, Cognate and Elective courses. A grade of **C** or better is required for all core courses (shaded above).
- <sup>1</sup> It is important to note 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> PHYS 2220/25 requires MATH 2215 Calculus I (may be taken concurrently).
- <sup>3</sup> PHYS 2230/35 requires MATH 2216 Calculus II (may be taken concurrently).
- <sup>4</sup> **Advanced Chemistry Electives:** Two of the following: CHEM 3035 Survey of Instrumentation, CHEM 3110 Inorganic Chemistry, CHEM 3310 Laboratory Methods I, CHEM 3330 Food Chemistry, CHEM 3410 Physical Chemistry I, CHEM 3520 Advanced Organic Chemistry, CHEM 3550 Advanced Biochemistry. **Advanced Biology Electives:** Two of the following: BIOL 3141 Embryology, BIOL 3160 Developmental Biology, BIOL 3170 Microbiology w/lab, BIOL 3180 Plant Physiology, BIOL 3186 Histology, BIOL 3190 Cell Biology & Biophysics, BIOL 3360 Neurobiology, BIOL 4100 Principles of Evolution, BIOL 4110 Bioinformatics, BIOL 4210 Molecular Genetics, BIOL 4211 Molecular Evolution, BIOL 4212 Molecular Microbiology, BIOL 4213 Eukaryotic Molecular Biology, BIOL 4215 Biotechnology, BIOL 4236 Systems Biology, BIOL 4321 Cancer Biology or