

As of February 8, 2023

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

FIRST YEAR – FALL SEMESTER	
Subject: FRST or G-course Optional Attribute: Seminar and a W1	4 credits
Subject: FRST or G-course Attribute: A, H, I, R, and/or V	4 credits
CHEM 2110/2115 CHEM I General Principles w/lab ¹ Attribute: Q2	5 credits
MATH 2215 Calculus I** Attribute: Q1	5 credits
Total Course Load as of First Year Fall Semester	18 credits

FIRST YEAR – SPRING SEMESTER	
Subject: FRST or G-course Attribute: A, H, I, R, and/or V	4 credits
Subject: ASD or G-course Attribute: A, H, I, R, and/or V	4 credits
CHEM 2120/2125 CHEM II Organic Structure w/lab ¹	5 credits
MATH 2216 Calculus II Attribute: Q1	5 credits
First Year Credit Total Overall	36 credits

SECOND YEAR – FALL SEMESTER	
Subject: G-course Attribute: A, H, I, R, and/or V	4 credits
Subject: ASD or G-course Attribute: A, H, I, R, and/or V	4 credits
CHEM 2130 CHEM III Organic Reactions ¹	4 credits
PHYS 2220/2225 Physics I w/lab Attribute: Q1	6 credits

Total Course Load as of Second Year

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SECOND YEAR – SPRING SEMESTER



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FOURTH YEAR – FALL SEMESTER	
Subject: ASD or G-course Attribute: A, H, I, R, and/or V	4 credits
CHEM 3110 Inorganic Chemistry ^{4,5}	4 credits
CHEM 3000 upper-level CHEM elective ^{3,4}	4 credits
CHEM 4800 Research ⁸	0 credits
Total Course Load as of Fourth Year Fall Semester	112 credits

FOURTH YEAR – SPRING SEMESTER	
Subject: G-course Attribute: W1/W2	4 credits
CHEM 4810 Senior Thesis ⁸	4 credits
CHEM 3000 upper-level CHEM elective ^{3,4} Program/cognate course ⁷	4 credits

Program Specific Notes

- *A grade of C- or higher must be earned in all CHEM courses. Students must have a minimum overall 2.0 GPA for CHEM courses. CHEM 2110/2115 and CHEM 2120/2125 are not included when calculating the CHEM GPA. No chemistry core or cognate course may be taken P/NC and be counted toward any degree track in chemistry.
- **Dependent on first-year math competency placement. There are several variations possible in the selection and sequence of courses in the junior and senior years. Since flexibility is based on preparation, it is important to complete Calculus I & II as early as possible.
- ¹It is important to note that 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 IV after taking CHEM I with lab.
- ²Students are encouraged to enroll in Chemistry Seminar before their senior year.
- ³Students must complete at least two elective CHEM 3000-level courses not part of the chemistry core. These courses are offered on a rotating schedule and availability can be found through the course catalog. Note, CHEM 3035 Survey of Instrumentation is not open to chemistry majors. Independent student research and internship projects cannot be used to fulfill this requirement.
- ⁴All transfer students must complete a minimum of 16 credits in Stockton Chemistry courses at the 3000-level (except CHEM 3800, 3900, 3940, 4800, 4810, or 4900) regardless of how many credits were accepted when students transferred. One course must be a laboratory intensive course (CHEM 3110, 3310, 3320, 3350, 3420 or CHEM 3025).
- ⁵Course only offered in fall semesters.
- ⁶Course only offered in spring semesters.
- ⁷Additional elective courses in Chemistry or in Chemistry related courses from supporting programs (i.e., cognates) such as Biology, Biochemistry/Molecular Biology, Physics, Mathematics, Geology, Marine Science or Computer Science and Information Systems.

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- ⁸No more than 8 credits of research/internship may be counted toward meeting chemistry degree requirements.