As of February 8 2023

2023-2024 Degree Map: B.A. Chemistry
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	
Subject: FRST or G-course **Optional Attribute:** Seminar and a W1	**4 credits**
Subject: FRST or G-course **Attribute:** W1 OR W2	**4 credits**
Subject: 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**
Total Course Load as of First Year Fall Semester	**17 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 2215 Calculus I** **Attribute:** Q1	**5 credits**
First Year Credit Total Overall	**35 credits**

SECOND YEAR – FALL SEMESTER	
Subject: G-course **Attribute:** A, H, I, R, and/or V	**4 credits**
MATH 2216 Calculus II **Attribute:** Q1	**5 credits**
CHEM 2130 CHEM III Organic Reactions[1]	**4 credits**
PHYS 2110/2115 Physics for Life Sciences I w/lab **Attribute:** Q1	**5 credits**
Total Course Load as of Second Year Fall Semester	**53 credits**

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SECOND YEAR – SPRING 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 2140 CHEM IV Theory & Application[1] **Attribute:** Q2	**4 credits**
PHYS 2120/2125 Physics for Life Sciences II w/lab **Attribute:** Q1	**5 credits**
Second Year Credit Total Overall	**70 credits**

THIRD 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 3310 Lab Methods I [3,4] **Attribute:** Q2	**4 credits**
CHEM 3410 Physical Chemistry I[4] **Attribute:** Q2	**4 credits**
CHEM 4600 Chemistry Seminar[2,3,4]	**2 credits**
Total Course Load as of Third Year Fall Semester	**88 credits**

THIRD YEAR – SPRING SEMESTER	
Subject: G-course **Attribute:** A, H, I, R, and/or V	**4 credits**
CHEM 3320 Lab Methods II [3,5] **Attribute:** Q2, W2	**5 credits**
CHEM 3420 Physical Chemistry II[3,5] **Attribute:** Q2, W2	**4 credits**
CHEM 3025 Organic Techniques[3,5]	**1 credit**
Third Year Credit Total Overall	**102 credits**

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FOURTH YEAR – FALL SEMESTER	
Subject: ASD 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 3110 Inorganic Chemistry[3,4]	**4 credits**
CHEM 4800 Research[6]	**0 credits**
Total Course Load as of Fourth Year Fall Semester	**114 credits**

FOURTH YEAR – SPRING 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**
Subject: ASD or G-course **Attribute:** A, H, I, R, and/or V	**4 credits**
CHEM 4810 Senior Thesis[6]	**2 credits**
Fourth Year Credit Total Overall	**128 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.
- [1]It 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.
- [2]Students are encouraged to enroll in Chemistry Seminar before their senior year.
- [3]All 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). Note, CHEM 3035 Survey of Instrumentation is not open to chemistry majors.
- [4]Course only offered in fall semesters.
- [5]Course only offered in spring semesters.
- [6]No more than 8 credits of research/internship may be counted toward meeting chemistry degree requirements.

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