

**Degree Map: Chemistry (BS)\***  
**Chemistry Program**  
 School of Natural Sciences & Mathematics, Stockton University  
 USC 1 240 | 609-652-4546

The following 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 more than 81 credits and in four years.

- x All students should speak with their preceptor throughout their academic programs.
- x Transfer students may not need to take all courses in the plan; they should consult with an academic advisor.

FIRST YEAR FALL	Credit	FIRST YEAR SPRING	Credit
Course load	18	Course load	18
Subject: FRST or G-course Optional Attribute: Seminar and aW1	4	Subject: FRST or G-course Attribute: A, H, I, R, and/or V	4
Subject: FRST or G-course Attribute: A, H, I, R, and/or V	4	Subject: ASD or G-course Attribute: A, H, I, R, and/or V	4
CHEM 2110/2115 CHEM I General Principles w/lab <sup>1</sup> Attribute: Q2	5	CHEM 2120/2125 CHEM II Organic Structure w/lab <sup>1</sup>	5
MATH 2215 Calculus I Attribute: Q1	5	MATH 2216 Calculus II Attribute: Q1	5 Subject:

		G-course Attribute: A, H, I, R, and/or V	4
Subject: ASD or G-course Attribute: A, H, I, R, and/or V	4	CHEM 2140 CHEM IV Theory & Application Attribute: Q2	4
CHEM 2130 CHEM III Organic Reactions	4	PHYS 2230/2235 Physics II w/lab Attribute: Q1	6
PHYS 2220/2225 Physics I w/lab Attribute: Q1	6		

THIRD YEAR FALL	Credit	THIRD YEAR SPRING	Credit
Course load	18	Course load	14
Subject: G-course Attribute: A, H, I, R, and/or V	4	Subject: G-course Attribute: A, H, I, R, and/or V	4
Subject: ASD or G-course Attribute: A, H, I, R, and/or V	4	CHEM 3320 Lab Methods <sup>4,5</sup> Attribute: Q2, W2	5
CHEM 3310 Lab Methods <sup>4,5</sup> Attribute: Q2	4	CHEM 3420 Physical Chemistry <sup>4,6</sup> Attribute: Q2, W2	4
CHEM 3410 Physical Chemistry I Attribute: Q2	4	CHEM 3025 Organic Techniques	1
CHEM 4600 Chemistry Seminar <sup>2,4,5</sup>	2		

FOURTH YEAR FALL	Credit	FOURTH YEAR SPRING	Credit
Course load	12	Course load	16
Subject: ASD or G-course Attribute: A, H, I, R, and/or V	4	Subject: G-course Attribute: W1/W2	4
CHEM 3110 Inorganic Chemistry	4	CHEM 4810 Senior Thesis	4
CHEM 3000 upper-level CHEM elective	4	CHEM 3000 upper-level CHEM elective	4
CHEM 4800 Research	0	Program/cognate course	4

### GRADUATION REQUIREMENT TRACKER

Quantitative Reasoning	9
Q1 (First year)	
Q1/Q2	
Q2	

At-some distance 9

### ADDITIONAL INFORMATION

- x **FIRST (FRST)** All newly admitted freshmen or transfer students with 15 or fewer credits are required to fulfill the University's first year competency requirement. The requirement may be met by demonstrating competency on the placement tests, or by passing, with a grade of C or better, all FRST courses: 1101 College Writing, 1002 – Critical Thinking and Reading, and 1103 Quantitative Reasoning into which students have been placed. Students enrolled in FRST 1100 Developmental Mathematics must receive a grade of C or better, and then enroll in and receive a grade of C or better in FRST 1103 to demonstrate competency. Full-time students must register for all required FRST courses in their first semester. Depending on time to completion of competency requirements, some students may need additional time for degree completion. Note- certain FRST courses also meet the requirements of the General Studies course distribution categories.
- x **General Studies**. B.S. students must complete 48 credits of General Studies with the distribution requirement of: 8 GAH, 4 GEN, 4 GIS, 8 GNM, 8 GSS and 16 ASD or Distance See 2021-2022 Bulletin for more information. A "G" course may fulfill multiple attributes.
- x **W1/W2- Writing requirement**. Students are required to complete (C or better) four Writing intensive (W1/W2) courses. One W1 is required in the first year and an additional three W1 or W2 within the upper level division (3000-level or higher). W1/W2 courses can be found in General Studies or Program/cognate courses depending on major.
- x **Q1/Q2- Quantitative Reasoning**. Students are required to complete (C or Better) three Q2 courses. One Q1 in the freshman year and at least one Q2. Q1/Q2 courses may be found in General Studies or Program/cognate courses depending on major.
- x **R1/R2 Race and Racism**. Students are required to pass one (1) R1 and one (1) R2 course. R1/R2 courses may be found in General Studies or Program/cognate courses depending on major.
- x **Minor program**. Students may select a Minor program of study, in consultation with their preceptor. Minor courses would replace some of the ASD or Program/cognate courses in the Degree Plan. **25% Rule** Transfer students

This document is not a substitute for academic advisement.

Approved by Department of Chemistry (February 2022)

must take 25% of their remaining credits in General Studies with a GIS requirement. Depending on transferred courses, individual requirements may be met (AHVI/Q, W and R) but will be evaluated on transfer.

Include Program specific notes

x \* A grade of C