

# B.S. – CHEMISTRY

## Core Course Requirements: 80 credits

A grade of “C-” or higher must be earned in all CHEM courses.

Student must have overall 2.0 GPA for CHEM courses

- |                          |  |       |
|--------------------------|--|-------|
| <input type="checkbox"/> | CHEM 2110/15 General Chemistry I w/lab   | (5)   |
| <input type="checkbox"/> | CHEM 2120/25 Chemistry II: Organic w/lab | (5)   |
| <input type="checkbox"/> | CHEM 2130 Chemistry III                  | (4)   |
| <input type="checkbox"/> | CHEM 2140 Chemistry IV                   | (4)   |
| <input type="checkbox"/> | CHEM 3025 Organic Techniques             | (1)   |
| <input type="checkbox"/> | CHEM 3110 Inorganic Chemistry            | (4)   |
| <input type="checkbox"/> | CHEM 3310 Laboratory Methods I           | (4)   |
| <input type="checkbox"/> | CHEM 3320 Laboratory Methods II          | (4)   |
| <input type="checkbox"/> | CHEM 3410 Physical Chemistry I           | (4)   |
| <input type="checkbox"/> | CHEM 3420 Physical Chemistry II          | (4)   |
| <input type="checkbox"/> | CHEM 4600 Seminar                        | (2)   |
|                          |  |       |
| <input type="checkbox"/> | MATH 2215 Calculus I                     | (5)   |
| <input type="checkbox"/> | PHYS 2220/25 Physics I w/lab             | (5)   |
| <input type="checkbox"/> | MATH 2217 Calculus II                    | (5)   |
| <input type="checkbox"/> | PHYS 2230/35 Physics II w/lab            | (6)   |
| <input type="checkbox"/> | CHEM 3000 level or greater CHEM _____    | (4)   |
| <input type="checkbox"/> | CHEM 3000 level or greater CHEM _____    | (4)   |
| <input type="checkbox"/> | CHEM 4810 Senior Thesis (1-4 credits)    | _____ |

## To earn American Chemical Society (ACS) Certification,

choose the following as CHEM/Cognates

BIOL 1200/05 Cells and Molecules w/lab

CHEM 3250 Biochemistry

**You MUST have at least 44 credits in CHEM courses**

## Other CHEM/Cognates if needed to equal program total of 80 credits

- |                          |                    |
|--------------------------|--------------------|
| <input type="checkbox"/> | CHEM/Cognate _____ |
| <input type="checkbox"/> | CHEM/Cognate _____ |
| <input type="checkbox"/> | CHEM/Cognate _____ |

## General Studies Requirements: 48 credits Total

32 Credits in 'G' Category Courses

**No more than 12 credits in any one “G” category may be applied towards the BS degree**

- |                          |  |
|--------------------------|--|
| <input type="checkbox"/> | General Interdisciplinary (GEN) – 4 credits        |
| <input type="checkbox"/> | General Integration & Synthesis (GIS) – 4 credits* |
| <input type="checkbox"/> | General Arts and Humanities (GAH) – 8 credits      |
| <input type="checkbox"/> | General Natural Science & Math (GNM) – 8 credits   |
| <input type="checkbox"/> | General Social Science (GSS) – 8 credits           |

\*Must be taken junior or senior year



## At Some Distance Electives: 16 credits

Courses unrelated to your major

_____	_____	_____	_____
_____	_____	_____	_____

## General Studies Outcome Requirement

These courses are listed as attributes and should be completed within the 128 credits needs to graduate.

- |  |  |
|--|--|
| Arts (A) <input type="checkbox"/>          | Historical Consciousness (H) <input type="checkbox"/>    |
| Values/Ethics (V) <input type="checkbox"/> | International/Multicultural (I) <input type="checkbox"/> |

## Quantitative Reasoning Requirements (3 courses)

**Two Q1 courses may be in transfer. Q2 courses must be taken at Stockton**

Q1 \_\_\_\_\_ Q2 \_\_\_\_\_ Q1 or Q2 \_\_\_\_\_

## Writing Requirement (4 courses)

**Two W1 courses may be in transfer. W2 courses must be taken at Stockton**

W1 \_\_\_\_\_ W1/W2 \_\_\_\_\_

W1/W2 \_\_\_\_\_

W1/W2–3000 level \_\_\_\_\_