

## Chemistry: ACS Certified – Bachelor of Science

### FRESHMAN YEAR

<b>Fall Semester</b>	<b>15-17 Hours</b>
UNIV 1001/1113 Intro to Univ Life/Study Strats .....	(1/3)
ENGL 1113 English Composition I .....	(3)
MATH 2215 Calculus & Analytical Geometry I .....	(5)
CHEM 1364/1361 General Chemistry I/Lab .....	(5)
General Education Health and Wellness .....	(1)

<b>Spring Semester</b>	<b>18 Hours</b>
ENGL 1213 English Composition II .....	(3)
MATH 2235 Calculus & Analytical Geometry II .....	(5)
PHYS 1115/1115L or PHYS 2015/2015L Physics I/Lab.....	(5)
CHEM 1474/1471 General Chemistry II/Lab .....	(5)

### JUNIOR YEAR

<b>Fall Semester</b>	<b>14 Hours</b>
General Education Health and Wellness .....	(1)
CHEM 3113 Fundamentals of Analytical Chemistry .....	(3)
CHEM 3232 Quantitative Analysis .....	(2)
CHEM 4353/4351 Physical Chemistry I w/Lab .....	(4)
Elective Course.....	(4)

<b>Spring Semester</b>	<b>15Hours</b>
COMM 1113 Principles of Communication .....	(3)
CHEM 4025/4025L Instrumental Methods of Analysis/Lab .....	(5)
CHEM 4363/4361 Physical Chemistry II w/Lab .....	(4)
MATH 4433 Matrix Algebra .....	(3)

### SOPHOMORE YEAR

<b>Fall Semester</b>	<b>17 Hours</b>
PS 1113 American Federal Government.....	(3)
CHEM 2541 Introduction to Chemical Literature (!) .....	(1)
MATH 2244 Calculus & Analytical Geometry III .....	(4)
PHYS 1215/1215L or PHYS 2215/2215L Physics II/Lab.....	(5)
CHEM 3314/3314L Organic Chemistry I/Lab .....	(4)

<b>Spring Semester</b>	<b>14 Hours</b>
HIST 1483/1493 U.S. History to/since 1865 .....	(3)
General Education Humanities-Diversity .....	(3)
General Education Health and Wellness.....	(1)
MATH 3253 Differential Equations .....	(3)
CHEM 3324/3324L Organic Chemistry II/Lab .....	(4)

### SENIOR YEAR

<b>Fall Semester</b>	<b>16 Hours</b>
General Education Behavioral Science.....	(3)
General Education Health and Wellness.....	(1)
CHEM 4403 Biochemistry I .....	(3)
CHEM 4334 Advanced Inorganic Chemistry.....	(4)
CHEM 4492 Special Problems .....	(2)
Elective Course.....	(3)

<b>Spring Semester</b>	<b>14 Hours</b>
General Education Humanities-Aesthetics .....	(3)
General Education Biological Science .....	(4)
General Education Economics.....	(3)
CHEM 4541 Chemistry Capstone (!).....	(1)
Upper Division Chemistry Elective.....	(3)

<sup>M</sup> Denotes Minimum Grade Needed for Course  
! Denotes Critical Course

This is a recommended semester-by-semester plan of study for this major. Course offerings are subject to change based on enrollment. However, courses or requirements designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

### Graduation Requirements Summary

Minimum Total Hours for Graduation	124
Minimum Upper-Division Hours	40
Minimum Gen Ed Hours	44
Minimum Liberal Arts Hours	55
Minimum Major GPA	2.000
Minimum Overall GPA	2.000