

## Chemistry: American Chemical Society (ACS) Certified – Bachelor of Science

### FIRST 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)
<b>CHEM 1364/1361 General Chemistry I/Lab (FA, SP)</b> .....	(5)
General Education Health and Wellness .....	(1)

<b>Spring Semester</b>	<b>16-18 Hours</b>
ENGL 1213 English Composition II .....	(3)
MATH 2235 Calculus & Analytical Geometry II .....	(5)
PHYS 2015/2015L Physics I/Lab* or Gen Ed Humanities-Diversity .....	(3-5)
<b>CHEM 1474/1471 General Chemistry II/Lab (FA, SP)</b> .....	(5)

### THIRD YEAR

<b>Fall Semester</b>	<b>16 Hours</b>
General Education Health and Wellness .....	(1)
PS 1113 American Federal Government .....	(3)
Elective .....	(3)
<b>CHEM 3113 Fundamentals of Analytical Chemistry (FA)</b> .....	(3)
<b>CHEM 3232 Quantitative Analysis (FA)</b> .....	(2)
CHEM 4353/4351 Physical Chemistry I w/Lab .....	(4)

<b>Spring Semester</b>	<b>15 Hours</b>
General Education Humanities-Aesthetics .....	(3)
CHEM 4363/4361 Physical Chemistry II w/Lab .....	(4)
MATH 4433 Matrix Algebra .....	(3)
CHEM 4025 Instrumental Methods of Analysis .....	(5)

### SECOND YEAR

<b>Fall Semester</b>	<b>17 Hours</b>
COMM 1113 Principles of Communication .....	(3)
MATH 2244 Calculus & Analytical Geometry III .....	(4)
<b>CHEM 2541 Introduction to Chemical Literature (!) (FA, O)</b> .....	(1)
PHYS 1115/1115L Physics I/Lab or PHYS 2215/2215L Physics II/Lab* .....	(5)
<b>CHEM 3314/3314L Organic Chemistry I/Lab (FA, SP)</b> .....	(4)

<b>Spring Semester</b>	<b>14-16 Hours</b>
PHYS 1215/1215L Physics II/Lab* or Gen. Ed. Humanities-Diversity .....	(3-5)
General Education Health and Wellness .....	(1)
HIST 1483/1493 U.S. History to/since 1865 .....	(3)
MATH 3253 Differential Equations .....	(3)
<b>CHEM 3324/3324L Organic Chemistry II/Lab (FA, SP)</b> .....	(4)

### FOURTH YEAR

<b>Fall Semester</b>	<b>17 Hours</b>
General Education Behavioral Science .....	(3)
General Education Health and Wellness .....	(1)
CHEM 4334 Advanced Inorganic Chemistry .....	(4)
CHEM 4403/4401 Biochemistry I w/Lab .....	(4)
CHEM 4492 Special Problems .....	(2)
Elective Course .....	(3)

<b>Spring Semester</b>	<b>14 Hours</b>
General Education Economics .....	(3)
<b>CHEM 4541 Chemistry Capstone (!) (SP)</b> .....	(1)
General Education Humanities-Aesthetics .....	(3)
CHEM 4413 Biochemistry II .....	(3)
BIOL 1004 or higher .....	(4)

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

<sup>R</sup> Denotes Restriction to Students Admitted to Educator Preparation Program

! Denotes Critical Course

**Bolded** courses indicate guaranteed course rotation for major core: (FA=Fall; SP=Spring; SU=Summer; O=Odd Year; E=Even Year).

This is a recommended semester-by-semester plan of study for this major for a hypothetical student and will not substitute for meeting with an advisor to discuss individual student needs. 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