BS in Chemistry

*Following is **one** suggested four-year degree plan. Students are encouraged to see their adviser each semester for help with program decisions and enrollment. Students are responsible for meeting all course prerequisites.*

See the University Core Curriculum section of this catalog for approved list of course options.

****See Arts and Sciences requirements section of this catalog for approved list of course options.***

BS in Chemistry

FRESHMAN YEAR

FALL	HOURS
CHEM 1410, General Chemistry for Science Majors, or CHEM 1413, Honors General Chemistry**	3
CHEM 1430, Laboratory Sequence for General Chemistry**	1
ENGL 1310, College Writing I*	3
HIST 2610, United States History to 1865*	3
MATH 1650, Pre-Calculus	5
Total	15

SOPHOMORE YEAR

FALL	HOURS
CHEM 2370, Organic Chemistry	3
CHEM 3210, Organic Chemistry Laboratory	1
MATH 1710, Calculus I	4
Cross-cultural, Diversity and Global Studies*	3
Elective	3
Humanities*	3
Total	17

JUNIOR YEAR

FALL	HOURS
CHEM 3230, Physical Chemistry Laboratory Sequence	1
CHEM 3451, Quantitative Analysis	3
CHEM 3452, Quantitative Analysis Laboratory	1
CHEM 3510, Physical Chemistry	3
MATH 2730, Multivariable Calculus	3
PHYS 1710, Mechanics	3
PHYS 1730, Laboratory in Mechanics	1
Total	15

FRESHMAN YEAR

SPRING	HOURS
CHEM 1420, General Chemistry for Science Majors, or CHEM 1423, Honors General Chemistry**	3
CHEM 1440, Laboratory Sequence for General Chemistry**	1
ENGL 1320, College Writing II*	3
HIST 2620, United States History Since 1865*	3
Elective	3
Social and Behavioral Sciences*	3
Total	16

SOPHOMORE YEAR

SPRING	HOURS
CHEM 2380, Organic Chemistry	3
CHEM 3220, Organic Chemistry Laboratory	1
MATH 1720, Calculus II	3
Communication*	3
Elective	3
Literature**	3
Wellness*	3
Total	19

JUNIOR YEAR

SPRING	HOURS
CHEM 3240, Physical Chemistry Laboratory Sequence	1
CHEM 3520, Physical Chemistry	3
PSCI 1040, American Government*	3
Minor/Elective (advanced)	3
Minor/Elective (advanced)	3
Visual and Performing Arts*	3
Total	16

SENIOR YEAR

FALL	HOURS
CHEM 4610, Advanced Inorganic Chemistry	3
PHYS 2220, Electricity and Magnetism	3
PHYS 2240, Laboratory in Wave Motion, Electricity, Magnetism and Optics	1
PSCI 1050, American Government*	3
CHEM (4000 level) or BIOC 3621/3622, Elementary Biochemistry with Laboratory, or BIOC 4540, Biochemistry I	3-4
Minor/Elective (advanced)	3
Total	16-17

SENIOR YEAR

SPRING	HOURS
CHEM 4620, Advanced Inorganic Chemistry Laboratory	1
CHEM 4631, Instrumental Analysis	3
CHEM 4632, Instrumental Analysis Laboratory	1
MATH 2700, Linear Algebra and Vector Geometry	3
Minor/Elective	2
Minor/Elective (advanced)	3
Minor/Elective (advanced)	3
Minor/Elective (advanced)	2
Total	18

Actual degree plans may vary depending on availability of courses in a given semester. Some courses may require prerequisites not listed. ***Students may wish to use opportunities for electives to complete a minor of their choice or secondary education courses for teacher certification.***