

Bachelor of Science in Chemistry with American Chemical Society Professional Certification

First Year

Semester 1	Hours	Semester 2	Hours
CHEM 1001 Horizons in Chemistry I	1	CHEM 1101 Horizons in Chemistry II	1
CHEM 1111 Chemical Principles I lab	1	CHEM 1121 Chemical Principles II lab	1
CHEM 1113 Chemical Principles I lecture	3	CHEM 1123 Chemical Principles II lecture	3
ENG 1013 Composition and Literature I	3	ENG 1023 Composition and Literature II	3
MATH 2014 Introductory Calculus I	4	MATH 2024 Introductory Calculus II	4
HIST 1013 History of the US 1492-1865	3	HIST 1023 History of the US 1865 to present	3
Total Hours	15	Total Hours	15

Second Year

Semester 3	Hours	Semester 4	Hours
CHEM 2211 Organic Chemistry I lab	1	CHEM 3221 Organic Chemistry II lab	1
CHEM 2213 Organic Chemistry I lecture	3	CHEM 3223 Organic Chemistry II lecture	3
PHYS 2151 General Physics Laboratory I	1	PHYS 2161 General Physics Laboratory II	1
PHYS 2153 General Physics I	3	PHYS 2163 General Physics II	3
MATH 3104 Intermediate Calculus I	4	MATH 3123 Differential Equations or	3
CSCI 1413 Programming	3	MATH 3063 Linear Algebra	
		Soc/Behav Science Core	3
		Math 1013 Quantitative Literacy	3
Total Hours	15	Total Hours	17

Third Year

Semester 5	Hours	Semester 6	Hours
CHEM 3334 Quantitative Analysis.	4	CHEM 4314 Instrumental Analysis	4
CHEM 3632 Protein & Nucleic Acid Chemistry Laboratory	2	GOV 2023 Texas Government	3
CHEM 3633 Protein & Nucleic Acid Chemistry	3	Women's Studies Core	3
GOV 2013 U.S. National Government	3	SPCH 1013 Oral Communication	3
Elective	3	Elective	3
Total Hours	15	Total Hours	16

Fourth Year

Semester 7	Hours	Semester 8	Hours
CHEM 3411 Physical Chemistry Laboratory	1	CHEM 3421 Physical Chemistry Laboratory II	1
CHEM 3413 Physical Chemistry	3	CHEM 3423 Physical Chemistry II	3
CHEM 4983 Undergraduate Research*	3	CHEM 4514 Inorganic Chemistry	4
Humanities Core	3	CHEM 4001 Research Presentations	1
Elective	3	Visual/Performing Arts Core	3
		Elective	2
Total Hours	13	Total Hours	14

*ACS Certification requires a written research paper.