

Bachelor of Science Degree in Chemistry
American Chemical Society (ACS) Approved
Four Year Degree Plan - Total Credits: 122

First Year	First Semester		Second Semester	
	CHEM 111 General Chemistry I Lab	1	CHEM 112 General Chemistry II Lab	1
	CHEM 131 General Chemistry I Lec	3	CHEM 132 General Chemistry II Lec	3
	MATH 136 Precalculus Mathematics	3	MATH 242 Calculus & Analytic Geometry. I	4
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
		14 hrs		15 hrs

Second Year	Third Semester		Fourth Semester	
	CHEM 211 Organic Chemistry I Lab	1	CHEM 212 Organic Chemistry II lab	1
	CHEM 231 Organic Chemistry I Lec	3	CHEM 232 Organic Chemistry II Lec	3
	MATH 242 Calculus & Analytic Geometry II	4	MATH 243 Calculus & Analytic Geometry III	4
	ENG 2xx Upper level English	3	CS 117 Computer Science II Lec	3
	CS 116 Computer Science I Lec	3	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	Elective	3
		17 hrs		17 hrs

Third Year	Fifth Semester		Sixth Semester	
	CHEM 322 Quantitative Analysis Lab	2	CHEM 445 Biochemistry	4
	CHEM 332 Quantitative Analysis Lec	3	POLS 236 Texas Government	3
	Math 251 Differential Equations	3	PHYS 252 University Physics II Lec.	3
	POLS 235 American Government	3	PHYS 218 University Physics II Lab	1
	PHYS 251 University Physics I Lec	3	PSY 131 or SOC 157 Intro to Psychology or Sociology	3
PHYS 217 University Physics I Lab	1	MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3	

		15 hrs		17 hrs
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Fourth Year	Seventh Semester		Eighth Semester	
	CHEM 411 Physical Chemistry I Lab	1	CHEM 412 Physical Chemistry II Lab	1
	CHEM 431 Physical Chemistry I Lec	3	CHEM 432 Physical Chemistry II Lec	3
	CHEM 450 Inorganic Chemistry I	3	CHEM 451 Inorganic Chemistry II	3
	CHEM 454 Research	3	CHEM 453 Instrumental Analysis	3
	CHEM 499 Seminar	1	CHEM 4xx	3
	SC 135 or 136 Business & Professional Communication or Public Address	3		
		14 hrs		13 hrs