

B.S. Chemistry Major using Fall 2016 catalog or newer:**Required Courses**

	Cred.	Offered	Course	Possible Substitutions
___	4	F,W,S	CHM 115 Principles of Chemistry I	
___	5	F,W,S	CHM 116 Principles of Chemistry II	
___	4	F,W,S	CHM 221 Survey of Analytical Chemistry	
___	4	F	CHM 245 Principles of Organic Chemistry I	} CHM 241*
___	1	F	CHM 246 Principles of Organic Chemistry I Lab	
___	3	W	CHM 247 Principles of Organic Chemistry II	} CHM 242*
___	1	W	CHM 248 Principles of Organic Chemistry II Lab	
___	3	F	CHM 273 Principles of Inorganic Chemistry	
___	4	F	CHM 325 Instrumental Analysis	
___	1	F,W	CHM 352 Physical Chemistry Laboratory	
___	3	F	CHM 356 Physical Chemistry I	
___	3	W	CHM 358 Physical Chemistry II	CHM 351*
___	4	F,W,S	CHM 461 Biochemistry I	
___	1	F,W	CHM 391 Chemistry Seminar I	
___	1	F,W	CHM 491 Chemistry Seminar II	

Cognates

___	4	F,W,S	MTH 201 Calculus I	
___	4	F,W,S	MTH 202 Calculus II	
___	5	F,W,S	PHY 230 Principles of Physics I	PHY 220 [§]
___	5	F,W,S	PHY 231 Principles of Physics II	PHY 221 [§]

*Students who transfer or change majors may use these substitutions (with advisor approval)

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Take any 3 courses from the following list

___	3	CHM 421	Green Chemistry for Sustainable Environment
___	3	CHM 427	Green and Environmental Chemistry Laboratory
___	3	CHM 457	Advanced Physical and Instrumental Chemistry Laboratory
___	3	CHM 462	Techniques in Biochemistry
___	3	CHM 463	Biochemistry II
___	3	CHM 475	Electrochemistry
___	4	CHM 480F	Advanced Organic [†]
___	4	CHM 480W	Advanced Inorganic [†]

[†]Temporary course numbers and names