Chemistry (non-ACS-approved) (B.S.)

2017-2018 catalog

Student Name: _____ **ID Number:** _____

Major Requirements

All classes must be completed with a C- grade or better. Discuss B.S. waiver options with your advisor.

Term Completed/Planned	Grade	Credit	Course #	Title
		5	CHM115 & CHM115L: General Chemistry I (NSM-L)	
		5	CHM116 & CHM116L: General Chemistry II (NSM-L)	
		5	CHM251 & CHM252L: Organic Chemistry I	
		5	CHM252 & CHM252L: Organic Chemistry II	
		5	CHM280 & CHM280L: Quantitative Analytical Chemistry	
			SCI490 or other approved keystone (KC)	
Complete **one (1)** of CHM362 or CHM368				
		4		
Complete **one (1)** of CHM370, or BIO369, or another approved biochemistry or chemical biology course				
		4		
Complete **two (2)** of CHM430, CHM440, or CHM450				
		2	CHM430	Advanced Thermodynamic and Separation Lab
		2	CHM440	Advanced Synthesis Lab
		2	CHM450	Advanced Spectroscopy and Computational Chemistry Lab
Complete **twelve (12)** credits of electives, chosen from:				
		4	CHM362	Physical Chemistry: Macroscopic Theory
		4	CHM368	Physical Chemistry: Microscopic Theory
		4	CHM464	Advanced Organic Chemistry
		4	CHM481	Instrumental Analysis
		4	CHM482	Advanced Inorganic Chemistry
		2	CHM494	Topics
		4	CHM495	Topics
		2	CHM498	Independent Study/Research (can be repeated)
		4	PHY317	Biophysics
Complete **four (4)** semesters of CHM491				
		0.5	CHM491	Chemistry Seminar
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Required supporting courses				
		4	MAT145	Calculus I (NSM)
		4	MAT146	Calculus II (NSM)
		4	PHY121	General Physics I (NSM-L)
		4	PHY122	General Physics II (NSM-L)
Complete **one (1)** Speaking skill course, chosen from COM111 (HUM), COM115 (HUM), or HON130 (HUM)				
		4		

Abbreviation Key: ML = Modern Language; SC = Signature Curriculum; EM = Engaging Minneapolis; AE = Augsburg Experience; KC = Senior Keystone Course; NSM = Natural Science & Mathematics - no lab; NSM-L = Natural Science & Mathematics-with lab; SBS = Social & Behavioral Science; FA = Fine Arts; HUM = Humanities

Student Signature _____ Date _____ Advisor Signature _____ Date _____

Student and advisor signature are required for submission with the Intent to Graduate form.