

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

2019-2020 catalog

**Student Name:** \_\_\_\_\_ **ID Number:** \_\_\_\_\_

### Major Requirements

*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 <b>one (1)</b> of CHM362 or CHM368				
_____	_____	4		
Complete <b>one (1)</b> of CHM370, or BIO369, or another approved biochemistry or chemical biology course				
_____	_____	4		
Complete <b>two (2)</b> 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 <b>twelve (12)</b> 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 <b>four (4)</b> semesters of CHM491				
_____	_____	0.5	CHM491	Chemistry Seminar
_____	_____	0.5	CHM491	Chemistry Seminar
_____	_____	0.5	CHM491	Chemistry Seminar
_____	_____	0.5	CHM491	Chemistry Seminar
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 <b>one (1)</b> 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's Signature \_\_\_\_\_

Date \_\_\_\_\_

Advisor's Printed Name \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

Advisor(s): By signing, you indicate you have verified the accuracy of the information above. Faculty advisors must initial next to each course substitution/waiver and sign this form.