

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

2023-2024 catalog

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

### Major Requirements

Discuss B.S. waiver options with your advisor.

Term Completed/Planned	Grade	Credit	Course #	Title
_____	_____	5	CHM115 and 115L:	General Chemistry I (NSM-L)
_____	_____	5	CHM116 and 116L:	General Chemistry II (NSM-L)
_____	_____	5	CHM251 and 252L:	Organic Chemistry I
_____	_____	5	CHM252 and 252L:	Organic Chemistry II
_____	_____	5	CHM280 and 280L:	Quantitative Analytical Chemistry
_____	_____	5	CHM369 and 369L:	Biochemistry
_____	_____		SCI490 or other approved keystone (KC)	
_____	_____	0	Complete either the ETS or DUCK standard exam in College Chemistry	
Complete <b>one (1)</b> of CHM362 or CHM368				
_____	_____	4		
Complete <b>four (4)</b> credits from 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	CHM370	Biochemistry II
_____	_____	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)
_____	_____	5	PHY317 and 317L:	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 and 145L:	Calculus I (NSM)
_____	_____	4	MAT146 and 146L:	Calculus II (NSM)
_____	_____	4	PHY121 and 121L:	General Physics I (NSM-L)
_____	_____	4	PHY122 and 122L:	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.