

Chemistry (ACS certified) (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 & CHM251L:	Organic Chemistry I
_____	_____	5	CHM252 & CHM252L:	Organic Chemistry II
_____	_____	5	CHM280 & CHM280L:	Quantitative Analytical Chemistry
_____	_____	4	CHM362	Physical Chemistry: Macroscopic Theory
_____	_____	4	CHM368	Physical Chemistry: Microscopic Theory
_____	_____	5	CHM/BIO 369:	Biochemistry
_____	_____	2	CHM430	Advanced Thermodynamic and Separation Lab
_____	_____	2	CHM440	Advanced Synthesis Lab
_____	_____	2	CHM450	Advanced Spectroscopy and Computational Chemistry Lab
_____	_____	4	CHM464	Advanced Organic Chemistry
_____	_____	4	CHM481	Instrumental Analysis
_____	_____	4	CHM482	Advanced Inorganic Chemistry
_____	_____	2	SCI490	Integrated Science (KC)

Complete **four (4)** credits of electives, chosen from:

_____	_____	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
_____	_____	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	MAT245	Calculus III
_____	_____	4	PHY121	General Physics I (NSM-L)
_____	_____	4	PHY122	General Physics II (NSM-L)

Complete **one (1)** Speaking skill course

_____	_____	4	COM115	Scientific and Technical Public Speaking (HUM)
_____	_____	4	COM111	Public Speaking (HUM)
_____	_____	4	HON130	Liberating Letters (HUM)

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.