Biochemistry (B.S.)

2023-2024 catalog

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

Major Requirements

Supporting course requirements in mathematics, physics, and communication must be satisfied with a grade of C- or higher. A C- or higher average must be maintained in all upper division biology and chemistry courses applied toward meeting the requirements of the major. All biology and chemistry courses applied toward the major must be traditionally graded.

Term Completed/Planned	Grade	Credit	Course # Title
_____	_____	5	BIO151 and BIO151L: Introductory Biology (NSM-L)
_____	_____	5	BIO354 and BIO354L: Cell Biology
_____	_____	5	BIO/CHM369 and BIO/CHM369L: Biochemistry
_____	_____	4	BIO/CHM370: Biochemistry II
_____	_____	5	CHM115 and CHM115L: General Chemistry I (NSM-L)
_____	_____	5	CHM116 and CHM116L: General Chemistry II (NSM-L)
_____	_____	5	CHM251 and CHM251L: Organic Chemistry I
_____	_____	5	CHM252 and CHM252L: Organic Chemistry II
_____	_____	5	CHM280 and CHM280L: Quantitative Analytical Chemistry
_____	_____	4	CHM362: Physical Chemistry: Macroscopic Theory
_____	_____	5	PHY121 and PHY121L: General Physics I
_____	_____	5	PHY122 and PHY122L: General Physics II
_____	_____	4	MAT145: Calculus I
_____	_____	4	Either MAT146: Calculus II OR MAT255 Multivariable Calculus

Complete **two (2)** semesters of CHM491

_____	_____	0.5	CHM491	Chemistry Seminar
_____	_____	0.5	CHM491	Chemistry Seminar

Complete **eight (8)** additional credits chosen from BIO355, BIO361, BIO471, BIO473, BIO474, BIO475, BIO476, BIO486, BIO/CHM488, BIO/CHM489, BIO499, CHM368, CHM464, CHM481, CHM482, CHM499, or PHY317:

_____	_____	_____
_____	_____	_____
_____	_____	_____

Complete **four (4)** 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 **one (1)** Keystone class from BIO490, SCI490, HON490, or another keystone approved by the program

_____ _____ _____

Complete the ETS major field test

_____ _____ 0 _____

Complete **one (1)** Speaking skill class, normally chosen from COM115 (HUM), COM111 (HUM), and 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.