

Biology (B.S.)

2024-2025 catalog

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

Major Requirements

Must earn a minimum grade of D and average grade of C- in BIO151 & BIO152. A C- or better is required in BIO354 and BIO355. Discuss B.S. waiver options with your advisor.

Term Completed/Planned	Grade	Credit	Course #	Title
_____	_____	5	BIO151 and 151L:	Introductory Biology (NSM-L)
_____	_____	5	BIO152 and 152L:	Evolution, Ecology, and Diversity (NSM-L)
_____	_____	5	BIO354 and 354L:	Cell Biology
_____	_____	5	BIO355 and 355L:	Genetics
Complete five (5) additional upper division Biology electives, including at least one of BIO351, BIO361, BIO420, BIO425, BIO444, BIO481, or ENV320. Four of the five upper division electives must have an associated 1-credit lab. BIO485 may be completed twice in place of one upper division elective.				
_____	_____	5	BIO320 and 320L:	Human Anatomy
_____	_____	5	BIO351 and 351L:	Invertebrate Zoology
_____	_____	5	BIO353 and 353L:	Comparative Vertebrate Anatomy
_____	_____	5	BIO361 and 361L:	Plant Biology
_____	_____	5	BIO369 and 369L:	Biochemistry
_____	_____	4	BIO420:	Conservation Biology
_____	_____	5	BIO425 and 425L:	Freshwater Ecology
_____	_____	5	BIO444 and 444L:	Genomics and Biotechnology
_____	_____	5	BIO471 and 471L:	Advanced Cellular and Molecular Biology
_____	_____	5	BIO473 and 473L:	Physiology of Humans and Other Animals
_____	_____	5	BIO474 and 474L:	Developmental Biology
_____	_____	5	BIO475 and 475L:	Neurobiology
_____	_____	5	BIO476 and 476L:	Microbiology
_____	_____	5	BIO481 and 481L:	Ecology
_____	_____	4 total	BIO485:	Advanced Topics in Biology (<i>must be taken twice to count</i>)
_____	_____	4	BIO486:	Immunology
_____	_____	4 or 5	BIO495:	Special Topics in Biology (<i>sometimes offered with BIO495L lab</i>)
_____	_____	5	ENV320 and 320L:	Environmental Science
_____	_____	5	PHY317 and 317L:	Biophysics

Complete **one (1)** Keystone class from BIO490, SCI490, HON490, or a Keystone from another major (with department approval)

Supporting Courses

_____	_____	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
_____	_____	4	MAT114:	Precalculus (or achievement of MPG4)
Complete one (1) of DST164, MAT145, MAT163, or PSY215				
_____	_____	4		
Complete one (1) of PHY107/107L, PHY116/116L, or PHY121/121L				
_____	_____	5		
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