

Biology (B.S.)

2022-2023 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, 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

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Complete **one (1)** of PHY107/107L, PHY116/116L, or PHY121/121L

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Complete the ETS major field test

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Complete **one (1)** Speaking skill class, normally chosen from COM115 (HUM), COM111 (HUM), and HON130 (HUM)

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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

Note: Form is not complete until signed on page 2.

Biology (B.S.)

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.