Biology (B.S.)

2017-2018 catalog

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

Major Requirements

Must earn a minimum grade of D and average grade of C- in BIO151 & BIO152. All other classes must be completed with a C- grade or better. Discuss B.S. waiver options with your advisor.

Term Completed/Planned	Grade	Credit	Course #	Title
		4	BIO151	Introductory Biology (NSM-L)
		4	BIO152	Evolution, Ecology, and Diversity (NSM-L)
		4	BIO253	Introductory Cellular Biology
		4	BIO255	Genetics

Complete **five (5)** upper division Biology electives, including at least one of BIO361, BIO440, or BIO481. Students may take two different BIO485 course in place of one upper division elective:

		4	BIO351	Invertebrate Zoology
		4	BIO353	Comparative Vertebrate Anatomy
		4	BIO361	Plant Biology
		4	BIO369	Biochemistry
		4	BIO440	Plant Physiology
		4	BIO471	Advanced Cellular and Molecular Biology
		4	BIO473	Animal Physiology
		4	BIO474	Developmental Biology
		4	BIO475	Neurobiology
		4	BIO476	Microbiology
		4	BIO481	Ecology
		4 total	BIO485	Advanced Topics in Biology (*must be take twice to count*)
		4	BIO486	Immunology
		4	BIO495	Special Topics in Biology
		4	PHY317	Biophysics

Complete **one (1)** Keystone class (Keystone classes from other majors may be substituted with department approval)

		2	BIO490	Biology Keystone (KC)
		2	SCI490	Integrated Science (KC)
		4	HON490	Honors Senior Seminar (KC)

Supporting Courses

		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
		4	MAT145 Calculus I (NSM)
		4	MAT146 Calculus II (NSM)
		4	PHY107: College Physics I or PHY121: General Physics I (NSM-L)
		4	PHY108: College Physics II or PHY122: General Physics II (NSM-L)

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)

		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 Signature _____ Date _____ Advisor Signature _____ Date _____

Student and advisor signature are required for submission with the Intent to Graduate form.