

Full name: \_\_\_\_\_ Hamline ID: \_\_\_\_\_ Phone #: \_\_\_\_\_

Anticipated graduation date (such as: May, 2023)

DEPT	COURSE	TITLE	GRADE	CREDITS	TERM/ YEAR	SUBSTITUTE COURSE*	BREADTH OF STUDY**
BIOL	1510	Integrated Concepts in Biology I		4			no
BIOL	1520	Integrated Concepts in Biology II		4			no
<b>One year of general Chemistry, or one semester of advanced general chemistry:</b>							
CHEM	1130	General Chemistry I		4			yes
CHEM	1140	General Chemistry II		4			yes
<i>or</i>							
CHEM	1500	Advanced General Chemistry		4			yes
<b>One statistics course chosen from the following:</b>							
MATH	1200	Statistics		4			yes
QMBE	1310	Statistics					
<b>Two courses are required from the list below, they may be from the same or different subject areas:</b>							
CHEM	3450	Organic Chemistry I		4			yes
CHEM	3460	Organic Chemistry II		4			yes
MATH	1170	Calculus I		4			yes
MATH	1180	Calculus II		4			yes
PHYS	1150/1230	Algebra-based/ General Physics I		4			yes
PHYS	1160/1240	Algebra-based/ General Physics II		4			yes
				4			yes
				4			yes
<b>Six elective courses chosen from the three lists below. At least one course taken from each area:</b>							
<b><i>Biology of Molecules and Cells:</i></b>							
BIOC	3820	Biochemistry I		4			no
BIOL	3050	Principles of Genetics		4			no
BIOL	3060	Principles of Cell Biology		4			no
BIOL	5760	Immunology		4			no
BIOL	5870	Genomics and Bioinformatics		4			no
<b><i>Biology of Organisms:</i></b>							
BIOL	3040	Principles of Physiology		4			no
BIOL	3100	Neurobiology		4			no
BIOL	3400	Comp. Vertebrate Evolution & Anatomy		4			no
BIOL	3500	Plant Adaptation and Diversity		4			no
BIOL	5550	Microbiology		4			no
BIOL	5600	Developmental Biology		4			no
<b><i>Biology of Populations:</i></b>							
BIOL	3650	Invertebrate Biology		4			no
BIOL	3770	Population Genetics and Evolution		4			no
BIOL	5540	Aquatic Biology		4			no
BIOL	5590	Ecology		4			no
BIOL	5650	Animal Behavior		4			no
<b>Four semesters of Biology Seminar:</b>							
BIOL	5961	Biology Seminar I		1			no
BIOL	5962	Biology Seminar II		1			no
BIOL	5963	Biology Seminar II		1			no
BIOL	5964	Biology Seminar Presentation		1			no
<b>Capstone:</b>							
BIOL	5960	Senior Capstone		4			no
<b>Writing intensive course in the major:</b>							

\*Department approval is required for transfer courses or other substitutions. Courses used as substitutions must be initiated by Department Chair.

\*\*In order to graduate, you must have at least 48 Breadth of Study credits (credits outside your major department). See above for courses in your major that also count toward Breadth of Study.

Student signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 (required)

Biology advisor signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 (required)

Department chair/director signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 (required for course substitutions and waivers)