

Full name: _____ Hamline ID: _____ Phone #: _____

Anticipated graduation date (such as: May, 2022) _____

DEPT	COURSE	TITLE	GRADE	CREDITS	TERM/ YEAR	SUBSTITUTE COURSE*	BREADTH OF STUDY**
Biology (4 courses):							
BIOL	1510	Integrated Concepts in Biology I		4			no
BIOL	1520	Integrated Concepts in Biology II		4			no
BIOL	3050	Principles of Genetics		4			no
BIOL	3060	Principles of Cell Biology		4			no
Two general chemistry courses or one advanced general chemistry course:							
CHEM	1130	General Chemistry I		4			no
CHEM	1140	General Chemistry II		4			no
or							
CHEM	1500	Advanced General Chemistry		4			no
Four Chemistry courses from the list below:							
CHEM	3240	Analytical Chemistry		4			no
CHEM	3450	Organic Chemistry I		4			no
CHEM	3460	Organic Chemistry II		4			no
CHEM	3550	Physical Chemistry I		4			no
	or 5700	Molecular Biophysics					
Biochemistry (2 courses):							
BIOC	3820	Biochemistry I		4			no
BIOC	3830	Biochemistry II		4			no
Mathematics (3 courses):							
MATH	1170	Calculus I		4			yes
MATH	1180	Calculus II		4			yes
MATH	1200	Statistics		4			yes
Physics (2 courses):							
PHYS	1230	General Physics I		4			yes
PHYS	1240	General Physics II		4			yes
Independent research project, choose one of the following:							
BIOC/BIOL/ CHEM	5970	Independent Study		4			no
BIOC/BIOL/ CHEM	4010	Collaborative Research					
5000-level Elective (1 course):							
BIOL	5550	Microbiology		4			no
BIOL	5590	Ecology		4			no
BIOL	5600	Developmental Biology		4			no
BIOL	5650	Animal Behaviour		4			no
BIOL	5760	Immunology		4			no
BIOL	5870	Genomics and Bioinformatics		4			no
Additional Elective (1 course): (Choose an additional course from the list above, or one course in math, chemistry, or physics at the 3000-level or higher)							
				4			yes
Seminar (Either 4 semesters of biology seminar or chemistry seminar)							
BIOL	5961	Biology Seminar I		1			no
BIOL	5962	Biology Seminar II		1			no
BIOL	5963	Biology Seminar III		1			no
BIOL	5964	Biology Seminar Presentation		1			no
CHEM	5950	Chemistry Seminar A		0.5			no
CHEM	5950	Chemistry Seminar A		0.5			no
CHEM	5950	Chemistry Seminar A		0.5			no
CHEM	5960	Chemistry Research		2			no
Writing intensive course in the major:							

*Department approval is required for transfer courses or other substitutions. Courses used as substitutions must be initialed 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

 Student signature: _____ Date: _____
 (required)

 Biochemistry advisor signature: _____ Date: _____
 (required)

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