

Full name: _____ Hamline ID: _____ Phone #: _____
 Anticipated graduation date (such as: May, 2021) _____

18-19 COURSES and SEMINAR FOR THE MAJOR

DEPT	COURSE	TITLE	GRADE	CREDITS	TERM/ YEAR	SUBSTITUTE COURSE*	BREADTH OF STUDY**
1.-2. 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
Foundation Courses:							
3. CHEM	3240	Analytical Chemistry		4			no
4. CHEM	3330	Instrumental Methods		4			no
5. CHEM	3450	Organic Chemistry I		4			no
6. CHEM	3460	Organic Chemistry II		4			no
7. CHEM	3550	Physical Chemistry I		4			no
8. CHEM	3560	Physical Chemistry II		4			no
9. CHEM	3840	Inorganic Chemistry		4			no
10. CHEM	3940	Advanced Laboratory Techniques		2			no
11. CHEM	3950	Physical Chemistry Lab Techniques		2			no
12. CHEM	5960	Chemistry Research		4			no
13.-14. Two of the following advanced courses:							
CHEM	5820	Advanced Analytical Chemistry		4			no
CHEM	5860	Advanced Organic Chemistry		4			no
CHEM	5880	Advanced Physical Chemistry		4			no
Mathematics requirement:							
15. MATH	1170	Calculus I		4			yes
16. MATH	1180	Calculus II		4			yes
17. MATH	3320	Multivariable & Vector Calculus		4			yes
Physics requirement:							
18. PHYS	1230	General Physics I		4			yes
19. PHYS	1240	General Physics II		4			yes
Three semesters of Chemistry Seminar:							
CHEM	5950	Chemistry Seminar A		0.5			no
CHEM	5950	Chemistry Seminar A		0.5			no
CHEM	5950	Chemistry Seminar A		0.5			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 that also count toward Breadth of Study.

Student signature: _____ Date: _____
 (required)

Chemistry advisor signature: _____ Date: _____
 (required)

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