

# CHEMISTRY - Major Requirements for BA Degree

Effective Fall 2009

Hamline University

Anticipated graduation date (such as: May, 2013) \_\_\_\_\_

Full name: \_\_\_\_\_

Hamline ID: \_\_\_\_\_

Phone #: \_\_\_\_\_

## 14 COURSES FOR MAJOR

DEPT	COURSE	TITLE	GRADE	CREDITS	TERM/ YEAR	SUBSTITUTE COURSE	ADVISOR APPROVAL*	AUDITOR'S NOTES	BREADTH OF STUDY CREDITS**
1. CHEM	1130	General Chemistry I		4					no
2. CHEM	1140	General Chemistry II		4					no
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	Chemical Thermodynamics		4					no
8. CHEM	3560	Molecular Structure & Spectroscopy		4					no
9. CHEM	3940	Advanced Laboratory Techniques		2					no
10. CHEM	3940	Advanced Laboratory Techniques		2					no
11. CHEM	5840	Advanced Inorganic Chemistry		4					no
12. MATH	3320	Multivariable & Vector Calculus		4					yes
<b>13.-14. Choose one of the following physics options:</b>									
13. PHYS	1150	Algebra-based Physics I		4					yes
14. PHYS	1160	Algebra-based Physics II		4					yes
<i>or</i>									
13. PHYS	1230	General Physics I		4					yes
14. PHYS	1240	General Physics II		4					yes
<b>Writing intensive course in the major:</b>									

\*Advisor approval is required for transfer courses or other substitutions. Approval must be initialed in the Advisor Approval column.

\*\*In order to graduate, you must have at least 84 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 (required): \_\_\_\_\_

Date: \_\_\_\_\_

Chemistry advisor signature (required): \_\_\_\_\_

Date: \_\_\_\_\_