

**BIOCHEMISTRY  
MAJOR REQUIREMENTS  
2006-2008 BULLETIN**

Anticipated graduation date (such as: May, 2007) \_\_\_\_\_

Hamline University – College of Liberal Arts

Last name, first name \_\_\_\_\_ Hamline ID \_\_\_\_\_ Phone # \_\_\_\_\_

**SEVENTEEN COURSES, SEMINAR, AND AN INDEPENDENT RESEARCH PROJECT FOR MAJOR**

DEPT.	COURSE	TITLE	GRADE	CREDITS	TERM/YEAR	FACULTY APPROVAL*	AUDITOR'S NOTES	BREADTH OF STUDY REQUIREMENT			
1. CHEM	1130	General Chemistry I		4				84 credits outside this major			Auditor
2. CHEM	1140	General Chemistry II		4				Term	Year	# of credits	
3. CHEM	3450	Organic Chemistry I		4				AP/IP/PSEO			
4. CHEM	3460	Organic Chemistry II		4				transfer			
5. CHEM	3240	Analytical Chemistry		4				transfer			
6. CHEM	3550	Physical Chemistry		4				transfer			
7. BIOL	3060	Principles of Cell Biology		4				Fall			
8. BIOL	5900	Molecular Cell Biology		4				Winter			
9. MATH	1170	Calculus I		4				Spring			
10. MATH	1180	Calculus II		4				Summer			
11. MATH	3320	Multivariable Calculus		4				Fall			
12. BIOC	3820	Biochemistry I		4				Winter			
13. BIOC	3830	Biochemistry II		4				Spring			
14. PHYS	1230	General Physics I		4				Summer			
15. PHYS	1240	General Physics II		4				Fall			
<b>16. One of the following courses:</b>								Winter			
CHEM	3560	Physical Chemistry II		4				Spring			
CHEM	5840	Advanced Inorganic Chemistry						Summer			
BIOL	5760	Immunology						Fall			
BIOL	5600	Developmental Biology						Winter			
<b>17. An additional course from #16 above or 5000-level math, biology or physics:</b>								Spring			
				4				Summer			
<b>Seminar--Four semesters of BIOL 5950 or two semesters of CHEM 5960:</b>											
BIOL	5950	Biology Seminar		0.5							
BIOL	5950	Biology Seminar		0.5							
BIOL	5950	Biology Seminar		0.5							
BIOL	5950	Biology Seminar; or		0.5							
CHEM	5960	Research Techniques		2							
CHEM	5960	Research Techniques		2							
<b>Independent research project:</b>											
BIOC	5970	Independent Study; or		4							
	4010	Collaborative Research									
<b>Writing intensive course in the major:</b>											

Student signature \_\_\_\_\_ Date \_\_\_\_\_

(mandatory)

Biochemistry advisor signature \_\_\_\_\_ Date \_\_\_\_\_

(mandatory)

\*Faculty approval is required for transfer courses or other substitutions. Approval may be initialed in the Faculty Approval column or on a separate course substitution form.