

# Sample Program Plan Biochemistry Degree (Calculus-Ready)

Fall 2008

<b>Freshman Year</b>								
Fall			Winter			Spring		
CHEM 204 General Chemistry [1]	5		CHEM 205 General Chemistry [1]	5		CHEM 206 General Chemistry	5	
MATH 251 Calculus	4		MATH 252 Calculus	4		Electives [2]	10	
Electives [2]	6		Electives [2]	6				
Total Credits		15	Total Credits		15	Total Credits <span style="border-top: 1px solid black;">15</span>		
<b>Sophomore Year</b>								
Fall			Winter			Spring		
CHEM 334 Organic Chemistry I	4		CHEM 335 Organic Chemistry II	4		CHEM 336 Organic Chemistry III	4	
BIOL 211 Principles of Biology	5		CHEM 338 Org. Chemistry II Lab	1		CHEM 339 Organic Chemistry III Lab	1	
CHEM 401 Research [3]	1		BIOL 212 Principles of Biology	5		BIOL 213 Principles of Biology	5	
Electives [2]	5		Electives [2]	5		Electives [2]	5	
Total Credits		15	Total Credits		15	Total Credits <span style="border-top: 1px solid black;">15</span>		
<b>Junior Year</b>								
Fall			Winter			Spring		
PHYS 201/221 General Physics	4/5		PHYS 202/222 General Physics w/	4/5		PHYS 202/223 General Physics	4/5	
Calculus			Calculus			with Calculus		
CHEM 320 Analytical Chemistry	3		BIOL 341 Genetics	4		BIOL 342 Genetics	4	
CHEM 321 Analytical Chem. Lab	2		CHEM 451 Metabolic Biochem. [4]	4		CHEM 340 Physical Chemistry [4]	4	
CHEM 450 Structural Biochemistry [4]	4		CHEM 454 Biochemistry lab [4]	2		Electives [2]	3/2	
Elective [2]	2/0		Electives [2]	1				
Total Credits		15/14	Total Credits		15/16	Total Credits <span style="border-top: 1px solid black;">15</span>		
<b>Senior Year</b>								
Fall			Winter			Spring		
BIOL 431 Cell Structure and Function	5		CHEM 421 Instrumental Analysis [4]	3		Electives [2]	15	
CHEM 407 Seminar	1		CHEM 422 Inst. Analysis Lab [4]	2				
Electives [2]	9		Upper-Division Biology Elective	5				
			Electives [2]	5				
Total Credits		15	Total Credits		15	Total Credits <span style="border-top: 1px solid black;">15</span>		

[1] Students not meeting admissions requirements to CHEM 204, 205 should enroll in CHEM 101, 102.

[2] Selected to meet general education requirements.

[3] Courses can be taken during any term starting sophomore year.

[4] Courses may be taken junior or senior year.