

# 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
<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
<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
<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

[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.