

## CHEMISTRY AUDIT

BULLETIN: 2011-13

STUDENT'S NAME:		Banner ID:					
Course No.	Course Name	Hrs.	Complete Yes/No	Alternative Course No.	Course Name	Complete Yes/No	Petition Date
<b>General Major in Chemistry: 31-36 hours</b>							
CH141	General Chemistry I	4					
CH142	General Chemistry II	4					
CH143	Gen. Chem. Lab I	1					
CH144 or CH151H	Gen. Chem. Lab II	1					
CH153	Chem. Principles	4					
CH221	Chem. Princ. Lab	1					
CH221	Organic Chemistry I	3					
CH222	Organic Chemistry II	3					
CH223	Organic Chem. Lab I	1					
CH224	Organic Chem. Lab II	1					
CH261	Analytical Chemistry	3					
CH263	Analytical Chem. Lab	1					
CH361 or CH365,366	Intro. Physical Chem.	3					
CH367	Physical Chem. I and II	6					
CH441	Physical Chem. Lab I	1					
CH443	Instrumental Analysis	3					
CH478A	Instrumental Analytical Lab	1					
CH478B	Chemistry Seminar	0					
CH478B	Chemistry Seminar	0					
plus two upper-division electives: <i>CH399 strongly encouraged</i>							
<i>Required Support Courses for General Majors and Minors:</i>							
MT135	Calc./Analytical Geometry I	4					
MT136 or, by permission, MT228	Calc./Analytical Geometry II	4					
PH125	Stats for Bio. Sciences	3					
PH125L	General Physics I	3					
PH126	General Physics Lab	1					
PH126L	General Physics II	3					
or PH135 or (PH 215)	General Physics Lab II	1					
PH135L or (PH215L)	Physics I	3					
PH136 or (PH216)	Physics Lab I	1					
PH136L or (PH216L)	Physics II	3					
	Physics Lab II	1					
<b>Comprehensive Major in Chemistry: 40-50 credit hours:</b>							
CH141	General Chemistry I	4					
CH142	General Chemistry II	4					
CH143	Gen. Chem. Lab I	1					
CH144 or CH151/153	Gen. Chem. Lab II	1					
CH221	Chem. Principles/Lab	5					
CH222	Organic Chemistry I	3					
CH223	Organic Chemistry II	3					
CH224	Organic Chem. Lab I	1					
CH261	Organic Chem. Lab II	1					
CH263	Analytical Chemistry	3					
CH365	Analytical Chem. Lab	1					
CH366	Physical Chem. I	3					
CH367	Physical Chem. II	3					
CH368	Physical Chem. Lab I	1					
CH431	Physical Chem. Lab II	1					
	Gen. Biochemistry	4					

CH441	Instrumental Analysis	3				
CH443	Instrumental Analytical Lab	1				
CH478A	Chemistry Seminar	0				
CH478B	Chemistry Seminar	0				
CH481	Inorganic Chemistry	3				
CH482	Inorganic Chem. Lab I	1				
plus 6 credits of upper-division electives, at least one is laboratory-based. CH399 is strongly encouraged						
<i>Required support courses: 28 hours</i>						
EP217	Math.Meth.Phy.& Eng.	3				
MT135	Calc./Analytical Geometry I	4				
MT136	Calc./Analytical Geometry II	4				
MT233	Calc./Analytical Geometry III	4				
PH135 or (PH215)	Physics I	3				
PH135L or (PH215L)	Physics Lab I	1				
PH136 or (PH216)	Physics II	3				
PH136L or (PH216L)	Physics Lab II	1				
PH246 or	Modern Physics	3				
PH325	Thermodynamics	3				
Pre-chemical engineering students should take:						
PH246	Modern Physics	3				
or strongly recommended:						
CS128	Intro. Computer Science	3				
<b>Biochemistry Major in Chemistry: 40-50 hours</b>						
CH141	General Chemistry I	4				
CH142	General Chemistry II	4				
CH143	Gen. Chem. Lab I	1				
CH144	Gen. Chem. Lab II	1				
or CH151&	Chem. Principles	4				
CH153	Chem.Principles Lab	1				
CH221	Organic Chemistry I	3				
CH222	Organic Chemistry II	3				
CH223	Organic Chem. Lab I	1				
CH224	Organic Chem. Lab II	1				
CH261	Analytical Chemistry	3				
CH263	Analytical Chem. Lab	1				
CH361 or	Intro. Physical Chem	3				
CH365 &	Physical Chem. I	3				
CH366	Physical Chem. II	3				
CH367	Physical Chem. Lab I	1				
CH435	Biochemistry I	4				
CH436	Biochemistry II	3				
CH437	Biochem. Lab I	1				
CH478A	Chemistry Seminar	0				
CH478B	Chemistry Seminar	0				
BL155	Principles of Biology I	3				
BL156	Principles of Biology II	3				
BL157	Princ. Of Bio. Lab I	1				
BL158	Princ. Of Bio. Lab II	1				
MT135	Calc./Analytical Geometry I	4				
MT136 or,	Calc./Analytical Geometry II	4				
by permission, MT228	Stats for Bio. Sciences	3				
PH125	General Physics I	3				
PH125L	General Physics Lab	1				
PH126	General Physics II	3				
PH126L	General Physics Lab II	1				

or:							
PH135	Physics I	3					
PH135L	Physics Lab I	1					
PH136	Physics II	3					
PH136L	Physics Lab II	1					
Strongly recommend CH441,CH443 be taken as one of CH electives							
CH399 strongly encouraged							
three approved upper-division CH or BL electives: <i>at least one must be CH</i>							
Upper- division biology electives may be selected from the following:							
BL213	Genetics	4					
BL350	Vertebrate Anatomy	5					
BL350L	Vertebrate Anatomy Lab	0					
BL254	Comp. Verteb. Embryology	4					
BL254L	CompVertebrates Embry.Lab	0					
BL301	Intro. to Cell Biology	4					
BL310	Microbiology	4					
BL310L	Microbiology Lab	0					
BL360	Human Physiology	4					
BL360L	Human Physiology Lab	0					
BL410	Infection & Immunity	3					
BL 459	Molecular Genetics						
BL465	Molecular Cell Biology	3					
BL471	Immunology	3					
BL475	Endocrinology	3					
or other courses approved by the Chemistry Department Chair. Premedical track students are strongly advised to select BL213 as one elective.							
Total CH hrs completed:				Major GPA:			
<b>COURSES NEEDED TO COMPLETE MAJOR:</b>							
ADVISOR'S SIGNATURE:							
DEPARTMENT CHAIR'S SIGNATURE:							