

Grambling State University
CHEMISTRY DEPARTMENT

Bachelor of Science

G E N E R A L (Concentration)

(revised May 28, 2008)

Name: _____

Catalog: _____

Advisor: _____

Course Number	Course Name	Hrs.	Prerequisites (P) Co-requisite (C)	Grade	Semester / Yr & Faculty Approval
FRESHMAN YEAR					
CHEM 111	General Chemistry I	3			
CHEM 113	General Chemistry Laboratory	1	CHEM 111 (C)		
CHEM 112	General Chemistry II	3	CHEM 111		
CHEM 114	General Chemistry Laboratory	1	CHEM 112 (C)		
ENG 101	Freshman Composition I	3			
ENG 102	Freshman Composition II	3	ENG 101 (P)		
HIST 101	Western Civilization	3			
MATH 153	Calculus I	3			
MATH 154	Calculus II	3	MATH 153 (P)		
BIOL 113/115	Principles of Biology Lecture/Lab	4			
PHYS 153	General Physics I	4	Math 153		
FYE 101	First Year Experience	1			
FYE 102	First Year Experience	1			
	TOTAL	33			
SOPHOMORE YEAR					
CHEM 223	Organic Chemistry	3	CHEM 112 (P)		
CHEM 225	Organic Chemistry Laboratory	1	CHEM 223 (C)		
CHEM 224	Organic Chemistry	3	CHEM 223 (P)		
CHEM 226	Organic Chemistry Laboratory	1	CHEM 224 (C)		
CHEM 230	Quantitative Analysis Lecture	3	CHEM 112 (P)		
CHEM 232	Quantitative Analysis Laboratory	2	CHEM 230 (C)		
MATH 201	Calculus III	3	MATH 154 (P)		
PHYS 154	General Physics II	4	PHYS 153 (P)		
ART 210	Fine and Performing Arts	3			
ENG 200	World Literature	3			
HIST 104	Modern World History	3			
SOC 101	Intro to the Social Sciences	3			
GET 300	Rising Junior Exam	0			
	TOTAL	32			

Course Number	Course Name	Hrs.	Prerequisites(P) Co-requisite (C)	Grade	Semester/ Yr & Faculty Approval
JUNIOR YEAR					
CHEM 341	Physical Chemistry	3	CHEM 230/232 MATH 154 (P)		
CHEM 343	Physical Chemistry Laboratory	1	CHEM 341 (C)		
CHEM 342	Physical Chemistry	3	CHEM 341 (P)		
CHEM 344	Physical Chemistry Laboratory	1	CHEM 342 (C)		
CHEM 461	Biochemistry	3	CHEM 224 (P)		
	Foreign Language	6			
ECON 201	Macroeconomics	3			
ENG 207	Introduction to Technical Writing	3			
CS 110	Computer Science I	3			
Electives		7			
	TOTAL	33			
SENIOR YEAR					
CHEM 430	Instrumental Analysis Lecture	3	CHEM 341 (P)		
CHEM 432	Instrumental Analysis Laboratory	2	CHEM 224/230 (P)		
CHEM 450	Independent Study/Research	3	Faculty Approval		
CHEM 451	Seminar	1			
Science and Free Electives*	_____ _____ _____ _____	18		____ ____ ____ ____	
	TOTAL	27			
	GRAND TOTAL	125			

***Recommended Science Electives: CHEM 410 with CHEM 420, 434, 470; CHEM 462/464, BIOL 302, 304.**
