2023 Catalog-B.S. Chemistry Degree Plan (120 Hours)

STUDENT NAME:		UPDATED BY:	
STUDENT ID:		DATE:	
AUDITS: 45_____ 75 _____	PRE-HEALTH: NO YES	MINOR:	DOUBLE MAJOR/DEGREE:

Course Title	Subject Prefix/ Course #	HR	Semester Taken	Grade
CORE CURRICULUM				
Communication (010)				
		3		
		3		
Mathematics (020)				
Differential Calculus or Calculus I	MATH 2413 or 2417*	4		
Life and Physical Sciences (030)				
General Chemistry I	CHEM 1311	3		
General Chemistry II	CHEM 1312	3		
Language, Philosophy and Culture (040)				
		3		
Creative Arts (050)				
		3		
American History (060)				
		3		
		3		
Government/Political Science (070)				
American National Government	GOVT 2305	3		
State and Local Government	GOVT 2306	3		
Social and Behavioral Science (080)				
		3		
Component Area Option (090)				
Differential Calculus or Calculus I	MATH 2413 or 2417*	4		
Integral Calculus or Calculus II	MATH 2414 or 2419*	4		
Physics Lab I	PHYS 2125	1		
Major Preparatory Courses				
General Chemistry I	CHEM 1311	3		
Chem Lab I	CHEM 1111	1		
General Chemistry II	CHEM 1312	3		
Chem Lab II	CHEM 1112	1		
Organic Chemistry I Lecture	CHEM 2323	3		
Organic Chemistry II Lecture	CHEM 2325	3		
Introductory Organic Chemistry Lab	CHEM 2233	2		
Quantitative Methods in Chemistry	CHEM 2401	4		

*Select one MATH sequence: (MATH 2413, MATH 2414 & MATH 2415) OR (MATH 2417, MATH 2419, & MATH 3351)

**MATH 2418 is a prerequisite for MATH 3351

Course Title	Subject Prefix/ Course #	HR	Semester Taken	Grade
Major Preparatory Courses (Cont.)				
Differential Calculus or Calculus I	MATH 2413 or 2417*	4		
Integral Calculus or Calculus II	MATH 2414 or 2419*	4		
Sev. Variables or Advanced Cal.	MATH 2415 or 3351*	3-4		
Linear Algebra or Statistics	MATH 2418** or STAT 2332	3-4		
Mechanics	PHYS 2325	3		
Physics Lab I	PHYS 2125	1		
Electromagnetism and Waves	PHYS 2326	3		
Physics Lab II	PHYS 2126	1		
Major Core Courses				
Physical Chemistry I	CHEM 3321	3		
Adv. Chemical Synthesis Lab	CHEM 3471	4		
Instrumental Analysis	CHEM 3472	4		
Major Related Courses				
Physical Chemistry II	CHEM 3322	3		
Inorganic Chemistry	CHEM 3341	3		
Biochemistry I	BIOL 3361 or CHEM 3361	3		
Biochemistry I Workshop	BIOL 3161	1		
Physical Measurements Lab	CHEM 4473	4		
Advanced Writing	CHEM 4390 or CHEM 4399	3		
Research in Chemistry	CHEM 4V91	3		
Biochemistry II	BIOL 3362 or CHEM 3362	3		
Biochemistry II & Wkshp	BIOL 3162	1		
OR Polymer Chemistry	CHEM 4335	3		
OR Computat. Modeling	CHEM 4355	3		
Electives-45 Upper Level Hours Needed to Graduate (75 UL for double degree)				
Freshman Seminar	UNIV 1010	0		
NS&M Freshman Seminar	NATS 1101	1		
Core Seminar	UNIV 2020	0		
Free Elective		3		
Free Elective		0-4		
UL Elective (3xxx or 4xxx)		3		
UL Elective (3xxx or 4xxx)		3		
UL Elective (3xxx or 4xxx)		1-5		