CHEMISTRY - BIOCHEMISTRY EMPHASIS REQUIREMENTS (BA/BS)

Code	Title	Units	
Major Requirements - 53 units			
CHEM 102	GENERAL CHEMISTRY I	5	
CHEM 104	GENERAL CHEMISTRY II	5	
CHEM 184	INTRODUCTION TO CHEMISTRY	1	
CHEM 251	ORGANIC CHEMISTRY	3	
CHEM 260	INORGANIC CHEMISTRY	4	
CHEM 261	ORGANIC CHEMISTRY LABORATORY	2	
CHEM 352	QUANTITATIVE ANALYSIS	5	
CHEM 370	PHYSICAL CHEMISTRY	3	
CHEM 454	BIOCHEMISTRY OF MACROMOLECULES	3	
CHEM 456	BIOCHEMISTRY OF METABOLISM AND SIGNALING	3	
CHEM 458	ADVANCED BIOCHEMISTRY LABORATORY	2	
CHEM 484	TOPICS IN CHEMISTRY	1	
Select one of the fol	lowing:	10	
PHYSCS 180	PHYSICS FOR SCIENTISTS AND		
& PHYSCS 181	ENGINEERS I and PHYSICS FOR SCIENTISTS AND ENGINEERS II		
PHYSCS 140 & PHYSCS 141	PRINCIPLES OF PHYSICS I and PRINCIPLES OF PHYSICS II		
u	he following (at least one course must come	6	
Group A:			
CHEM 262	ORGANIC CHEMISTRY LABORATORY		
CHEM 470	EXPERIMENTAL PHYSICAL CHEMISTRY		
CHEM 470	EXPERIMENTAL PHYSICAL CHEMISTRY		
CHEM 480	INSTRUMENTAL METHODS OF ANALYSIS		
CHEM 498R	INDEPENDENT STUDY - UNDERGRADUATE RESEARCH		
BIOLOGY 254	BIOTECHNOLOGY LABORATORY METHODS		
BIOLOGY 311	MICROBIOLOGY		
BIOLOGY 345	ANIMAL PHYSIOLOGY		
BIOLOGY 364	BIOTECHNOLOGY LABORATORY METHODS		
BIOLOGY 457	WILDLIFE ECOLOGY		
BIOLOGY 341	DEVELOPMENTAL BIOLOGY		
BIOLOGY 450	INTRODUCTORY ENTOMOLOGY		
Group B:			
CHEM 252	ORGANIC CHEMISTRY		
CHEM 371	PHYSICAL CHEMISTRY		
CHEM 455	ADVANCED ORGANIC CHEMISTRY		
BIOLOGY 363	MOLECULAR BIOLOGY		
BIOLOGY 412	IMMUNOLOGY		
BIOLOGY 442	ENVIRONMENTAL TOXICOLOGY		
BIOLOGY 446	ORGANIC EVOLUTION		

BIOLOGY 448	BIOINFORMATICS		
Total Units		53	
Code	Title	Units	
Unique Requirements - 26 units			
BIOLOGY 141	INTRODUCTORY BIOLOGY I	5	
BIOLOGY 142	INTRODUCTORY BIOLOGY II	5	
BIOLOGY 251	INTRODUCTION TO GENETICS	4	
BIOLOGY 253	INTRODUCTION TO CELL BIOLOGY	3	
MATH 253	CALCULUS AND ANALYTIC GEOMETRY I	5	
MATH 254	CALCULUS AND ANALYTIC GEOMETRY II	4	
Total Units		26	

Milestones: (Periodic assessment test required)

Milestones: Major Field Exam and Exit Interview