B.S. in Chemistry: Concentration in Analytical Chemistry American Chemical Society Approved Degree

Chemistry (CHEM) (46 credits)							
General Chemistry lecture and lab		□ 211 (3)		□ 213 (1)	□ 212 (3)	□ 214 (1)	
Organic Chemistry lecture and lab		□ 313 (3)		□ 315(2)	□ 314 (3)	□ 318 (2)	
Quantitative Chemical Analysis		□ 321 (4)					
Physical Chemistry lecture and lab		□ 331 (3)		□ 336 (2)	□ 332 (3)	□ 337 (2)	
Instrumental Methods of Chemical Analysis and Lab		□ 422 (3)		□ 423 (2)			
Prop. and Bonding of Inorganic Compounds		□ 441 (3)					
General Biochemistry I		□ 463 (4) = 445 (2)		Dia da anciata d	- I-	- 4CF (2)	
Inorganic Preparations and Techniques Lab ☐ 445 (2)		-or-	Biochemistry	_ab	□ 465 (2)		
Chemistry Electives (CHEM) (6 credits)							
Principles of Chemical Separation	□ 424 (3)		-or-	Electroanalytical Chemistry		□ 425 (3)	
[prereq: CHEM 332 or 442; Spring, even year	ars]			[prereq: CHEM 332 or 442; Fall, odd years]		odd years]	
Ati - Ftim. and - I Chambirton	_ 427	(2)		Um danama danat		-255 - 451 - 452 (2)	
Aquatic Environmental Chemistry	□ 427 (3)		-or-	Undergraduate research		□355 or 451 or 452 (3)	
[Spring, even years]							
Analytical Area Courses (6 credits)							
Introduction to Bioengineering	□ BENG 101 (3)		-or-	Introductory Statistics		□ STAT 250 (3)	
Intro. to Electrical & Computer Engineering	g 🗆 ECE 101 (3)		-or-	Modern Instrumentation		□ CHEM 620 (3)	
into to Electrical & computer Engineering			-01-			□ CILI 020 (5)	
Mathematics (MATH) (11 credit	-			22.424	_ 44474	- 242 (2)	
Analytic Geometry and Calculus	□ 113 (4) ((-or- 12	23-124)	□ 114 (4)	□ 213 (3)	
Physics (PHYS) (8 credits)							
University Physics lecture and lab	□ 160 (3)			□ 260 (3)	□ 161 (1)	□ 261 (1)	
		` ,		, ,	. ,	,	
Biology (BIOL) (4 credits)							
Cell Structure and Function		□ 213 (4)					
Mason Core (30 credits) (approved courses are listed in the University Catalog)							
Written Communication □ ENGH 101 (3) -and- □ ENGH 302 (3)							
Oral Communication	□ COMM 100 -or- 101 (3)						
Global History	□ HIST 125 (3)						
Information Technology and Computing	(3)						
Arts	(3)						
Global Contexts		<u> </u>					
Literature		(3)					
Social and Behavioral Sciences	□(3)						
Mason Apex		(3)					
Electives (9 credits)							
From any area except PRLS/PHED							

TOTAL CREDITS REQUIRED: 120 Minimum (of which 45 must be upper-division \geq 300 level); overall GPA \geq 2.00; major requirements GPA \geq 2.30; maximum of two courses of CHEM with a "D" grade. **All CHEM prerequisite courses require a grade of C or better.** 12/1/17