Bachelor of Science in Chemistry
American Chemical Society Accredited Degree
Effective for Admissions in Fall, 2017

Chemistry (CHEM)

General Chemistry lecture and lab	□ 211 (3)	□ 213 (1)	□ 212 (3)	□ 214 (1) (satisfies Natural Science requirement)
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	□ 422 (3)			
Instrumental Methods of Chemical Analysis Lab	□ 423 (2)			
Prop. and Bonding of Inorganic Compounds	□ 441 (3)			
Inorganic Preparations and Techniques	□ 445 (2)			
General Biochemistry I	□ 463 (4)			

CHEM Electives (any lec/lab/research course(s)) □ ___ (3)

One In-Depth course from the following:

Synthetic/Mechanistic Organic Chemistry	□ 413 (3)	General Biochemistry II	□ 464 (3)
Aquatic Environmental Chemistry	□ 427 (3)	Chemistry of Enzyme-Catalyzed Reactions	□ 467 (3)
Atmospheric Chemistry	□ 438 (3)	Bioorganic Chemistry	□ 468 (3)
Chemical Oceanography	□ 458 (3)		

Mathematics (MATH)

Analytic Geometry and Calculus □ 113 **-or-** 123-124 (4) □ 114 (4) □ 213 (3) (satisfies Quant. Reasoning req.)

Physics (PHYS)

University Physics	□ 160 (3)	□ 260 (3)
University Physics Lab	□ 161 (1)	□ 261 (1)

Biology (BIOL)

Cell Structure and Function □ 213 (4) (prerequisite for CHEM 463)

Mason Core (approved courses are listed in the University Catalog)

Written Communication	□ ENGH 101 (3)	□ ENGH 302 (3)
Oral Communication	□ COMM 100 or 101 (3)	
Western Civilization/World History	□ HIST 100 or 125 (3)	
Information Technology	□ ___ (3)	
Literature	□ ___ (3)	
Fine Arts	□ ___ (3)	
Social and Behavioral Sciences	□ ___ (3)	
Global Understanding	□ ___ (3)	
Synthesis	□ ___ (3)	

Electives from any area except PRLS/PHED □ (15)

TOTAL CREDITS REQUIRED: 120 Minimum (of which 45 must be upper-division ≥ 300 level); overall GPA ≥ 2.00; major requirements GPA ≥ 2.30; maximum of two courses of CHEM with a "D" grade. All CHEM prerequisite courses require a grade of C or better. See the "Prerequisites for CHEM Courses" document for a complete list. *Rev. 2/21/2017*