

# ***Bachelor of Science in Chemistry with a Concentration in Biochemistry***

## **Chemistry (CHEM)**

General Chemistry lecture and lab	<input type="checkbox"/> 211 (3)	<input type="checkbox"/> 213 (1)	<input type="checkbox"/> 212 (3)	<input type="checkbox"/> 214 (1) (satisfies Natural Science requirement)
Organic Chemistry lecture and lab	<input type="checkbox"/> 313 (3)	<input type="checkbox"/> 315(2)	<input type="checkbox"/> 314 (3)	<input type="checkbox"/> 318 (2)
Elementary Quantitative Analysis	<input type="checkbox"/> 321 (4)			
Physical Chemistry lecture and lab	<input type="checkbox"/> 331 (3)	<input type="checkbox"/> 336 (2)		
Bioinorganic Chemistry	<input type="checkbox"/> 446 (3)			
Biochemistry I and II	<input type="checkbox"/> 463 (4)	<input type="checkbox"/> 464 (3)		
Biochemistry Lab	<input type="checkbox"/> 465 (2)			

## **Biology (BIOL)**

Cell Structure and Function	<input type="checkbox"/> 213 (4)
Biology of Microorganisms	<input type="checkbox"/> 305 (3)
Biology of Microorganisms Lab	<input type="checkbox"/> 306 (1)

CHEM or BIOL (302-499) Electives  \_\_\_\_ (9)

*Courses from other science/math disciplines may be substituted as electives, subject to prior approval of the undergraduate coordinator.*

## **Mathematics (MATH)**

Analytic Geometry and Calculus	<input type="checkbox"/> 113 (4)	<input type="checkbox"/> 114 (4) (satisfies Quantitative Reasoning requirement)
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## **Physics (PHYS)**

College Physics	<input type="checkbox"/> 243 (3)	<input type="checkbox"/> 245 (3)
College Physics Lab	<input type="checkbox"/> 244 (1)	<input type="checkbox"/> 246 (1)

**-or-**

University Physics	<input type="checkbox"/> 160 (3)	<input type="checkbox"/> 260 (3)
University Physics Lab	<input type="checkbox"/> 161 (1)	<input type="checkbox"/> 261 (1)

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

Written Communication	<input type="checkbox"/> ENGH 101 (3)	<input type="checkbox"/> ENGH 302 (3)
Oral Communication	<input type="checkbox"/> COMM 100 or 101 (3)	
Western Civilization/World History	<input type="checkbox"/> HIST 100 or 125 (3)	
Information Technology	<input type="checkbox"/> ____ (3)	
Literature	<input type="checkbox"/> ____ (3)	
Fine Arts	<input type="checkbox"/> ____ (3)	
Social and Behavioral Sciences	<input type="checkbox"/> ____ (3)	
Global Understanding	<input type="checkbox"/> ____ (3)	
Synthesis	<input type="checkbox"/> ____ (3)	

**Electives** from any area except PRLS/PHED  (18)

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. 9/21/16