

# ***Bachelor of Arts in Chemistry***

## **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)	<input type="checkbox"/> 332 (3)	<input type="checkbox"/> 337 (2)
CHEM Electives	<input type="checkbox"/> ____ (5)			

## **Mathematics (MATH)**

Analytic Geometry and Calculus	<input type="checkbox"/> 113 (4)	<input type="checkbox"/> 114 (4)	<input type="checkbox"/> 213 (3) (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)
<b>-or-</b>		
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) -and- <input type="checkbox"/> ENGH 302 (3)
Oral Communication	<input type="checkbox"/> COMM 100 -or- 101 (3)
Global History	<input type="checkbox"/> HIST 125 (3)
Information Technology and Computing	<input type="checkbox"/> ____ (3)
Arts	<input type="checkbox"/> ____ (3)
Global Contexts	<input type="checkbox"/> ____ (3)
Literature	<input type="checkbox"/> ____ (3)
Social and Behavioral Sciences	<input type="checkbox"/> ____ (3)
Mason Apex	<input type="checkbox"/> ____ (3)

**Electives** from any area except PRLS/PHED ☐ \_\_\_\_ (Variable. Needed to reach 120 total credits)

## **COS Requirements** (approved courses are listed in the University Catalog under Chemistry BA)

### **Foundational Breadth**

Choose two courses from approved Mason Core: Arts, Mason Core: Literature, Mason Core: Global Contexts, and Mason Core: Social and Behavioral Sciences courses in addition to those required by the Mason Core. The two courses used to fulfill the college-level requirements must each be from different Mason Core categories. Additionally, they must be from different disciplines than the courses used to fulfill the University Mason Core requirements.

### **Natural Science**

Choose one credit in addition to the Mason Core: Natural Science requirement for a total of 8 credits. This combined college-level and university requirement must be fulfilled by completing two of any approved Mason Core: Natural Science courses that include a laboratory experience. BIOL 124 Human Anatomy and Physiology I and BIOL 125 Human Anatomy and Physiology II may not be used to fulfill this requirement.

### **Foreign Language** ☐ \_\_\_\_ (0-12)\*

Intermediate-level proficiency in one foreign language is required and may be fulfilled via one of the options below:

1. Completing a course in a foreign language numbered 202 (or its equivalent), or higher level courses taught in the language.
2. Achieving a satisfactory score on an approved proficiency test.
3. Completing a three course sequence in American Sign Language.

\* Students who are already proficient in a second language may be eligible for a waiver of this requirement. Additional information on waivers can be found through the COS Office of Academic and Student Affairs.

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.