

Bachelor of Arts 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)
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Mathematics (MATH)

Analytic Geometry and Calculus	<input type="checkbox"/> 113 (4)	<input type="checkbox"/> 114 (4)	(satisfies Quantitative Reasoning requirement)
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Statistics (STAT)

Introductory Statistics	<input type="checkbox"/> 250 (3)
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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)

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.