

Bachelor of Science in Chemistry American Chemical Society Approved Degree

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)
Quantitative Chemical 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)
Instrumental Methods of Chemical Analysis	<input type="checkbox"/> 422 (3)			
Instrumental Methods of Chemical Analysis Lab	<input type="checkbox"/> 423 (2)			
Prop. and Bonding of Inorganic Compounds	<input type="checkbox"/> 441 (3)			
Inorganic Preparations and Techniques	<input type="checkbox"/> 445 (2)			
General Biochemistry I	<input type="checkbox"/> 463 (4)			

CHEM Electives (any lec/lab/research course(s)) ☐ ____ (3)

One In-Depth course from the following:

Synthetic/Mechanistic Organic Chemistry	<input type="checkbox"/> 413 (3)	General Biochemistry II	<input type="checkbox"/> 464 (3)
Aquatic Environmental Chemistry	<input type="checkbox"/> 427 (3)	Chemistry of Enzyme-Catalyzed Reactions	<input type="checkbox"/> 467 (3)
Atmospheric Chemistry	<input type="checkbox"/> 438 (3)	Bioorganic Chemistry	<input type="checkbox"/> 468 (3)
Chemical Oceanography	<input type="checkbox"/> 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	<input type="checkbox"/> 160 (3)	<input type="checkbox"/> 260 (3)
University Physics Lab	<input type="checkbox"/> 161 (1)	<input type="checkbox"/> 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	<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 ☐ (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.