

Chemistry Curricula at a Glance

B.S. (General) Required	B.S. Biochem Required	B.A. (General) Required	B.A. Environmental Required	B.A. Clinical Required
CHEM 151 or CHEM 153: Gen. Chem I CHEM 161 or CHEM 163: Gen Chem Lab I CHEM 152 or CHEM 154: Gen. Chem II CHEM 162 or CHEM 164: Gen Chem Lab II CHEM 207/217: O-Chem I + Lab CHEM 208/218: O-Chem II + Lab CHEM 220: Scientific Communication CHEM 300/302: Quant & Inst Analysis CHEM 302: Instrumental Methods CHEM 305/315: P-Chem I + lab CHEM 306/316: P-Chem II + lab CHEM 401: Inorg Chem I CHEM 409: Biochemistry I CHEM 419: Senior Res. I CHEM 420: Senior Res. II PHYS 221/271 College Physics + Lab PHYS 222/272 College Physics II + Lab MATH 131: Calculus I MATH 132: Calculus II	Required Courses are the same as B.S. except CHEM 315 is not required. CHEM 410 and CHEM 460 are required.	CHEM 151 or CHEM 153: CHEM 161 or CHEM 163: CHEM 152 or CHEM 154: CHEM 162 or CHEM 164 CHEM 207/217 CHEM 208/218 CHEM 220: CHEM 420 PHYS 203/253 MATH 106 or 131 MATH 107/132 or STAT 160	Complete the CHEM B.A. required AND include Gen Phys II-204 or 222 BIOL 130/131 BIOL 209 Environmental Science	Complete the CHEM B.A. required AND include CHEM 300 CHEM 302 CHEM 409 CHEM 410 CHEM 460 BIOL 130/131 BIOL 140/141 BIOL 205 (cell bio)
B.S. Biochem Electives: Choose One: BIOL 290, 308, 421, 424, or 427.	ACS Accreditation Add: MATH 234 & CHEM 315	CHEM 208/218 CHEM 220: CHEM 420 PHYS 203/253 MATH 106 or 131 MATH 107/132 or STAT 160	B.A. Envr Chem Electives Select Three BIOL 140/141 BIOL 292 Lead4Envr Sustain BIOL 406 Ecology BIOL 409 Marine Bio BIOL 425 Trop Rain Frst & Reef Ecol. BIOL 426 Freshwater Bio PHYS 243 Meteorology PHYS 343 Climatology	CHEM 409 CHEM 410 CHEM 460 BIOL 130/131 BIOL 140/141 BIOL 205 (cell bio)
B.S. Electives: Choose One: BIOL 290, 308, 421, 424, 427; CHEM 402, 404, 410; CSCI 205; MATH 303, 335, 343, 344, 381, 403, 411, 422, 470; PHYS 301, 307, 308, 315, 320, 403, 405, 409, 410. Choose One: CHEM 402, 404, 410.	The Molecular Biology & Biochemistry Minor Minor Reqs for Biol Majors BIOL 424 BIOL or CHEM 429 CHEM 409 CHEM 410 CHEM 460 BIOL 290 or CHEM 300	B.A. Electives: Select 14+hrs CHEM 300 CHEM 302 CHEM 305/315 CHEM 306/316 CHEM 419 CHEM 401 CHEM 402 CHEM 403 CHEM 409 CHEM 410 CHEM 460 PHYS 204 or 222 PHYS 272	B.A. Clinical Chem Electives Select Two BIOL 421 Toxicology BIOL 341 Pharmacology BIOL 340 Pathophysiology BIOL 206 or 308 Genetics BIOL 424 Molecular Genetics -424 BIOL 427 Immunology BIOL 217 A & P I BIOL 218 A & P II BIOL 290 -Micro	CHEM 409 CHEM 410 CHEM 460 BIOL 130/131 BIOL 140/141 BIOL 205 (cell bio)
To qualify for ACS Accreditation Add: MATH 234 & CHEM 460	Minor Reqs for Chem Majors BIOL 308 BIOL 424 BIOL or CHEM 429 CHEM 409 CHEM 410 CHEM 460	The Chemistry Minor Required CHEM 151/161 CHEM 152/162 CHEM 207/217: CHEM 208/218	Minor Electives Choose one Two-Course Sequence* CHEM 305/306* CHEM 300/302 CHEM 401/402* CHEM 409/410* *Sequences marked with an "*" also require that you take an additional lab course selected from CHEM 315, 316, 460	BIOL 206 or 308 Genetics BIOL 424 Molecular Genetics -424 BIOL 427 Immunology BIOL 217 A & P I BIOL 218 A & P II BIOL 290 -Micro

Key: Required courses for the bachelor degree. Elective courses for the bachelor degree.
Required courses for the minor Elective courses for the minor.