

CHEMISTRY MAJOR CURRICULUM		SEQUENCES		
R = required r = recommended e = elective		CHE general	CHE health sciences	CHE education EA/A
BIO credits		4	15	15
BIO 103 Introductory Biology	4	R	R	R
11 credits at 200 level or above for health sciences and education				
BIO 212 Human Physiology	4		R	R
BIO 325 Microbiology	4		R	R
BIO 337 Genetics	3		R	R
BIO 214 Zoology [recommended for pre-vet majors]	4		r	
CHE credits		36	31-33	30-32
CHE 107 Introduction to the BIO & CHE Majors	1	R	R	note
CHE 113 Chemical Principles I	4	R	R	R
CHE 114 Chemical Principles II	4	R	R	R
27 credits at 200 level or above for general 22-24 credits at 200 level or above for health sciences and education				
CHE 216 Environmental Science	4		e	e
CHE 222 Instrumental Quantitative Analysis	4	R	R	R
CHE 333 Organic Chemistry I	4	R	R	R
CHE 334 Organic Chemistry II	4	R	R	R
CHE 338 Molecular Techniques	2	R	R	R
CHE 352 Biochemistry	3	R	R	R
CHE 435 Inorganic Chemistry	3		R	R
CHE 441 Physical Chemistry I	4	R		
CHE 442 Physical Chemistry II	4	R		
2-4 credits of independent study	2	R	e	e
MAT credits		8		
MAT 251 Calculus I	4	R		
MAT 252 Calculus II	4	R		
PHY credits		8	8	8
PHY 201 General Physics I	4	R	R	R
PHY 202 General Physics II	4	R	R	R
TOTAL credits		56	54-56	54-56

Note: Additional courses are required for students preparing to teach at the middle or secondary level. These students take EDU 200 Orientation to Teaching instead of CHE 107. See the separate listing of other Courses Required for Early Adolescence/Adolescence Teacher Education and consult the Education Department.