CHEMISTRY (BS)

Bachelor of Science Degree with a Major in Chemistry

The B.S. in Chemistry offers students the opportunity to engage in comprehensive course work in chemistry and prepares them for a graduate or professional program or direct employment. With rigorous classroom instructions, inquiry-driven labs, hands-on experience with instrumentation, and participation in research or industrial internship experiences, the degree consistently immerses students in high-impact practices.

Requirements for a Bachelor of Science Degree with a Major in Chemistry

Code	Title	Credits
CHEM-105	General Chemistry I	4
CHEM-106	General Chemistry II	4
CHEM-225	Organic Chemistry I	4
CHEM-226	Organic Chemistry II	4
CHEM-301	Analytical Chemistry	4
CHEM-313	Physical Chemistry	4
CHEM-319	Biochemistry	3
CHEM-320	Biochemistry Laboratory	1
CHEM-401	Instrumental Analysis	4
CHEM-413	Advanced Physical Chemistry	3
CHEM-421	Advanced Inorganic Chemistry	3
Select one of the following:		1-2
CHEM-428 & CHEM-429	Chemical Research I and Chemical Research II	
CHEM-440	Chemistry Internship	
Select one of the following:		8
PHYS-251 & PHYS-253	General Physics I: Mechanics and Gen Physics II: Electricity/ Magnetism/Optics	
PHYS-203 & PHYS-204	College Physics I and College Physics II	
MATH-191	Calculus and Analytic Geometry I	4
MATH-192	Calculus and Analytic Geometry II	4
Total Credits		**55-56**

Recommended courses: MATH-290 Linear Algebra or MATH-291 Calculus & Analytic Geometry III.