



College of Science, Engineering and Technology

Chemistry

The American Chemical Society

Certified Degree in Chemistry

(Recommended for those preparing for positions as chemists
or for graduate study in chemistry or related fields)

Suggested Curriculum Sequence^a

Freshman Year

First Semester	Hours	Second Semester	Hours
CHE 099 Freshman Orientation	1	CHE 202 General Chemistry and Qualitative Analysis	5
CHE 201 General College Chemistry	5	ENG 102 Composition and Research	3
ENG 101 Composition	3	MAT 308 Calculus and Analytic Geometry II	5
MAT 250 Calculus and Analytic Geometry I	5	CIV 102 World Civilizations & Cultures II	3
CIV 101 World Civilizations & Cultures I	3		

Sophomore Year

First Semester	Hours	Second Semester	Hours
CHE 305 Analytical Chemistry	5	CHE 320 Organic Chemistry II	3
CHE 312 Organic Chemistry I	5	PHY 255 Electricity, magnetism and Light	4
PHY 235 Mechanics, Heat & Wave Motion	4	PHY 256 Electricity, Magnetism and Light Lab	1
PHY 236 Mechanics, Heat & Wave Motion Lab	1	COM 161 Introduction to Public Speaking	3
MAT 309 Calculus and Analytic Geometry III	4		

Junior Year

First Semester	Hours	Second Semester	Hours
CHE 410 Physical Chemistry I	4	CHE 420 Physical Chemistry II	4
HUM 211 Western Humanities Tradition: Continuity	3	CHE 325 Organic Chemistry II Lab	2
CHE 530 Fundamentals of Biochemistry I	3	CHE 400 Chemical Literature	1
CSC 232 Visual Basic I ^b	4		

Senior Year

First Semester	Hours	Second Semester	Hours
CHE 511 Advanced Inorganic Chemistry I	3	CHE 519 Instrumental Analysis	5
CHE 495 Senior Research or		CHE 512 Inorganic Chemistry Lab	2
CHE 488 Cooperative Education/Internship	3		

Those desiring the B.A. degree must take two years of a foreign language. NO foreign language is required for a B.S. degree although the study of German or Russian would be helpful for those desiring to pursue a career in research.

^aA total of 120 semester hours is required for the baccalaureate degree and for an area in Chemistry. Schedule electives to satisfy general education requirements.

^bCSC 145 or PHY 140 may be substituted.

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For More Information Contact:

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