

Bachelor of Science Degree in Chemistry

Minor Requirement 3

8 Semester Program

Total Hours 120

First Semester (16 hours) Credit Hrs.

CHEM	1103	General Chemistry I	3
CHEM	1121	General Chemistry I Lab	1
ENGL	1013	Composition I	3
MATH	1043	College Algebra	3
MATH	1033	Trigonometry	3
		Gen. Ed. Social Science Requirement	3

Second Semester (15 hours) Credit Hrs.

CHEM	1113	General Chemistry II	3
CHEM	1131	General Chemistry II Lab	1
ENGL	1023	Composition II	3
MATH	2255	Calculus I	5
		Gen. Ed. Social Science Requirement	3

Third Semester (16 hours) Credit Hrs.

BIOL	1063	Introduction to Biology OR	
BIOL	2053	Principles of Biology I	3
BIOL	1071	Biological Science/ Principles of Biology I Lab	1
CHEM	3404	Organic Chemistry I	4
MATH	3495	Calculus II	5
		Gen. Ed. Speech Requirement	3

Fourth Semester (15 hours) Credit Hrs.

CHEM	3414	Organic Chemistry II w/Lab	4
MATH	3545	Calculus III	5
		Gen. Ed. American History or Government	3
		General Education Humanities Requirement	3

Fifth Semester (14 hours) Credit Hrs.

CHEM	3314	Quantitative Analysis	4
PHYS	2203	College Physics I	3
PHYS	2231	College & University Physics Lab	1
		Gen. Ed. Fine Arts Appreciation Requirement	3

Sixth Semester (14-15 hours) Credit Hrs.

CHEM	4704	Physical Chemistry Thermodynamics or	
CHEM	4714	Physical Chemistry: Kinetic and Quantum Mechanics	4
CHEM	3444	Instrumental Analysis or	
		Minor Requirement or Elective	3-4
PHYS	2213	University Physics II	3
PHYS	2241	College & University Physics II Lab	1
		Minor Requirements or Elective	3

Seventh Semester (15 hours) Credit Hrs.

CHEM		Chemistry 3000-4000 Level Elective	3
		Minor Requirement	3
		Minor Requirement	3
		Elective	3
		Elective	3

Eighth Semester (15-17 hours) Credit Hrs.

CHEM	4704	Physical Chemistry Thermodynamics or	
CHEM	4714	Physical Chemistry: Kinetic and Quantum Mechanics	4
CHEM	4742	Advanced Lab Techniques OR	
CHEM	469V	Senior Research	1-3
CHEM	3444	Instrumental Analysis or	
		Minor Requirement	3-4
		Minor Requirement	3
		Electives as needed to reach 120 hours and	
		40 hours 3000-4000 Level	3-6