

East Central University

Chemistry - B.S.

0100/UG22

Student Name: _____		Student ID # _____	
30 hours at ECU completed		Advisor: _____	
60 hours at Sr college completed			
40 hours upper level completed			
		OSRHE Computer Proficiency Requirement met	

Requirements	Hours	Hours
--------------	-------	-------

Courses highlighted in blue are general education courses.

I. General Education	40
-----------------------------	-----------

A maximum of twelve hours may be counted in both the major/related work and general education.

II. Major in CHEMISTRY	37-38
-------------------------------	--------------

III. Related Work	22-30
--------------------------	--------------

A. Required in Chemistry Core	20
-------------------------------	----

CHEM 1114	General Chemistry I
CHEM 1214	General Chemistry II
CHEM 3114	Organic Chemistry I
CHEM 3214	Quantitative Analysis I
CHEM 4114	Organic Chemistry II

B. Required in Chemistry Concentration	14
--	----

CHEM 3484	Instrumental Analysis
CHEM 4213	Biochemistry
CHEM 4413	Advanced Inorganic Chemistry
CHEM 4514	Physical Chemistry I

C. Required Electives	3-4
-----------------------	-----

At least 3 hours from the following:	
CHEM 4221	Biochemistry Laboratory
CHEM 4421	Advanced Inorganic Chemistry Laboratory
CHEM 4614	Physical Chemistry II
CHEM 4981-4	Seminar in Chemistry
	(Subject named in title listing)
CHEM 4991-4	Individual Studies in Chemistry
	(Subject named in title listing)

BIOL 1114	General Biology
MATH 1513	College Algebra †
MATH 1713	Trigonometry †
MATH 2825	Calculus and Analytic Geometry I
MATH 3025	Calculus and Analytic Geometry II
PHYS 1114	General Physics I OR
PHYS 2115	Engineering Physics I
PHYS 1214	General Physics II OR
PHYS 2225	Engineering Physics II

Recommended Related Work

Geology, additional physics, biology (not BIOL 1114), and computer science

IV. Minor (Required)	18-33
-----------------------------	--------------

The minor with the chemistry major must be biology, environmental health science, mathematics, or physics

V. Electives	0-15
---------------------	-------------

An elective course is any college-level course not required by the degree that is utilized to reach the 120 credit hours required for degree completion. Elective courses are chosen according to the interest of the student and can be used in completion of a minor, certificate, or additional major.

VI. Total Hours Required	120
---------------------------------	------------

VII. Special Requirements

† With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825

“Teachers” or “methods” courses do not count in the major.