

East Central University
Chemistry - B.S. Teacher Certification Concentration
0101/UG24

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
-----------------------------	-----------

17 hours (BIOL 1114, CHEM 1114, COMM 1113, MATH 1513, and PSYCH 1113) counted in the major. Demonstrate novice high competency in a foreign language or complete a Foreign Language or American Language course with a C or higher.

II. Major in Chemistry - Teacher Certification Concentration	30
---	-----------

A. Required Core Courses	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

C. Required for Concentration in Teacher Certification	3
--	---

- B/C/P 4113 Methods of Teaching Biological and Physical Science

D. Required Chemistry Electives	7
---------------------------------	---

- Seven hours chemistry electives

III. Related Work	41-43
--------------------------	--------------

- BIOL 1114 General Biology
- BIOL 1314 General Zoology
- BIOL 2184 Human Anatomy
- BIOL 3634 Human Physiology
- COMM 1113 Fundamentals of Human Communication
- GEOG 1214 Earth Science
- MATH 1513 College Algebra † **OR**
- MATH 2825 Calculus and Analytic Geometry I
- PHYS 1114 General Physics I
- PHYS 1214 General Physics II
- PHYS 1314 Astronomy

IV. Minor	
------------------	--

Professional Education is used as the minor and no other minor is required.

V. Professional Education	30
----------------------------------	-----------

- EDUC 2402 Survey of Excep Child
- PSYCH 3463 Child and Adolescent Psych.
- EDUC 2012 Founations of Educ
- EDUC 2631 Founations of Educ Technology
- EDUC 2211 Field Experience I
- EDPSY 3513 Educ Psych
- EDUC 3001 Field Experience II
- EDUC 4052 Effective Teaching in Secondary Education
- EDUC 4611 Field Experience III
- EDUC 4632 Education Technology Integration Strategies
- EDUC 4262 Student Teaching Seminar I
- EDUC 4282 Student Teaching Seminar II
- EDUC 4974 Sup Student Tchg Secondary School
- EDUC 4974 Sup Student Tchg Secondary School

VI. Total Hours Required	124-126
---------------------------------	----------------

VII. Special Requirements	
----------------------------------	--

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

