

East Central University  
Chemistry - B.S. Teacher Certification Concentration  
0101/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 <input type="checkbox"/>

Requirements	Hours	Hours
<i>Courses highlighted in blue are general education courses.</i>		

<b>I. General Education</b>	<b>40</b>
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*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.*

<b>II. Major in Chemistry - Teacher Certification Concentration</b>	<b>30</b>
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A. Required Core Courses	20
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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 for Concentration in Teacher Certification	3
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B/C/P 4113 Methods of Teaching Biological and Physical Science

C. Required Chemistry Electives	7
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Seven hours chemistry electives

<b>III. Related Work</b>	<b>41-43</b>
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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 † <b>OR</b>	
MATH 2825	Calculus and Analytic Geometry I	
PHYS 1114	General Physics I	
PHYS 1214	General Physics II	
PHYS 1314	Astronomy	
PSYCH 1113	General Psychology	

<b>IV. Minor</b>	
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Professional Education is used as the minor and no other minor is required.

<b>V. Professional Education</b>	<b>30</b>
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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	

<b>VI. Total Hours Required</b>	<b>124-126</b>
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<b>VII. Special Requirements</b>	
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† With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825