

## East Central University

CHS

### 2024-2025 Chemistry Teacher Certification Degree Plan

<b>FIRST YEAR</b>	
<p style="text-align: center;"><b>Fall Semester</b></p> <p>UNIV 1001 Tiger Connect            ENG 1113 Freshman Composition I            COMM 1113 Fundamentals of Human Communication            MATH 1513 College Algebra            OR MATH 2825 Calculus and Analytic Geometry I            PSYCH 1113 General Psychology            BIOL 1114 General Biology  <b>17-19 TOTAL HOURS</b></p>	<p style="text-align: center;"><b>Spring Semester</b></p> <p>ENG 1213 Freshman Composition II            HIST 24-3 United States History Survey            GEOG 1214 Earth Science            General Education Cultural and Aesthetic Awareness (3 hours)            CHEM 1114 General Chemistry I  <b>17 TOTAL HOURS</b></p>
<b>SECOND YEAR</b>	
<p style="text-align: center;"><b>Fall Semester</b></p> <p>PS 1113 United States Government  <b>EDUC 2012 Foundations of Education</b>  <b>EDUC 2211 Field Experience I</b>  <b>EDUC 2631 Foundations of Ed Tech</b>            PHYS 1114 General Physics I            CHEM 1214 General Chemistry II            Language course (3 hours)  <b>18 TOTAL HOURS</b></p>	<p style="text-align: center;"><b>Spring Semester</b></p> <p>BIOL 1314 General Zoology            EDUC 2402 Survey of Exceptional Children            PHYS 1214 General Physics II            General Education Cultural and Aesthetic Awareness (3 hours)            CHEM 3114 Organic Chemistry I  <b>17 TOTAL HOURS</b></p>
<b>THIRD YEAR</b>	
<p style="text-align: center;"><b>Fall Semester</b></p> <p>General Education Elective (select for Intercultural Knowledge or Global Citizenship if not yet met)            BIOL 2184 Human Anatomy  <b>EDPSY 3513 Educational Psychology</b>  <b>EDUC 3001 Field Experience II</b>            CHEM 4114 Organic Chemistry II  <b>15 TOTAL HOURS</b></p>	<p style="text-align: center;"><b>Spring Semester</b></p> <p>PSYCH 3463 Child &amp; Adolescent Psychology            BIOL 3634 Human Physiology            PHYS 1314 Astronomy            CHEM ---4 Required Chemistry Electives            (CHEM 4514<sup>^</sup> or 4413<sup>^^</sup> and 4421<sup>^^</sup> recommended)  <b>15 TOTAL HOURS</b></p>
<b>FOURTH YEAR</b>	
<p style="text-align: center;"><b>Fall Semester</b></p> <p>CHEM ---3 Required Chemistry Elective            (CHEM 4213 recommended)  <b>EDUC 4611 Field Experience III</b>  <b>EDUC 4052 Effective Teaching in Secondary Educ</b>  <b>EDUC 4632 Ed Tech Integration Strategies</b>            B/C/P 4113 Methods Teach Biological/Physical Sciences            CHEM 3214 Quantitative Analysis I [offered every fall]  <b>15 TOTAL HOURS</b></p>	<p style="text-align: center;"><b>Spring Semester</b></p> <p><b>EDUC 4262 Student Teaching Seminar I</b>  <b>EDUC 4282 Student Teaching Seminar II</b>  <b>EDUC 4974 Student Teaching</b>  <b>EDUC 4974 Student Teaching</b>  <b>12 TOTAL HOURS</b></p>
<b>TOTAL HOURS 124-126</b>	

<sup>^</sup> Offered Fall Semester Even Years    <sup>^^</sup> Offered Spring Semester Odd Years

**Take bolded classes together**

**Students need to plan semester schedules in advance in order to take required electives in the semester offered - junior or senior years**