EAST CENTRAL UNIVERSITY
CHEMISTRY—TEACHER CERTIFICATION CONCENTRATION 0101

2026-27 Catalog Year

Requirements for Bachelor's Degrees

- 30 hours at ECU
- 60 hours at senior level college
- 40 hours upper level courses
- OSRHE computer proficiency requirement

I. General Education 40 hours

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 hours

A. Required Core Courses 20 hours

- 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 hours

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

C. Required Chemistry Electives 7 hours

Seven hours chemistry electives

III. Related Work 41-43 hours

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

IV. Minor (Required)

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

V. Professional Education 30 hours

- EDUC 2402 Survey of Excep Child
- PSYCH 3463 Child and Adolescent Psych.

- EDUC 2012 Foundations of Educ
- EDUC 2361 Foundations 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 hours

VII. Special Requirements

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