

**Transfer
with
Ease**

Articulation Agreement

BACHELOR OF SCIENCE: CHEMISTRY

Teacher Certification Catalog Year 2019 - 2020

Eastern Oklahoma State College

East Central University

Associate of Science - Physical Science

Bachelor of Science—Chemistry

- OLS 1111 Orientation and Library Science
- ENGL 1113 Freshman Composition I
- POL SC 1113 American Federal Government
- CHEM 1315 General College Chemistry I*
- SPCH 1113 Fundamentals of Speech*
- MATH 1513 College Algebra* **18 hrs.**

- ENGL 1213 Freshman Composition II
- BIOL 1114 General Biology
- HIST 1483 American History to 1877 **OR**
HIST 1493 American History since 1877
- CHEM 1415 General College Chem II* **15 hrs.**

- PHY 1114 General Physics I*
- CHEM 2105 Organic Chemistry I * <
- CIS 1113 Computer Applications
- SPAN 1115 Elementary Spanish I
- —3 hrs. Humanities (VI A) **20 hrs.**

- ZOO 1114 General Zoology*
- PHY 1214 General Physics II*
- CHEM 2205 Organic Chemistry II * <
- PSY 1113 Introduction to Psychology*
- —3 hrs. Humanities (VI B) **19 hrs.**

- Total Credit Hours** **72 hrs.**

- BIOL 2184 Human Anatomy
- BIOL 1214 General Botany
- EDUC 2012 Foundations of Education
- EDUC 2211 Field Experience I
- EDUC 2402 Survey of Exceptional Children
- EDUC 2631 Foundations of Educational Technology
- PSYCH 3463 Child & Adol. Psych **17 hrs.**

- BIOL 3634 Human Physiology
- B/C/P 4113 Methods of Teaching Biol/Physical Sciences
- CHEM 3214 Quantitative Analysis I
- EDPSY 3513 Educational Psychology
- EDUC 3001 Field Experience II
- —4 hrs. Required CHEM Elective **19 hrs.**

- GEOG 1214 Earth Science
- PHYS 1314 Astronomy
- EDUC 4043 Strategies for Effective Teaching
- EDUC 4611 Field Experience III
- EDUC 4632 Educational Technology
- —3 hrs. Required CHEM Elective **17 hrs.**

- EDUC 4262 Student Teaching Seminar I
- EDUC 4282 Student Teaching Seminar II
- EDUC 4974 Student Teaching
- EDUC 4974 Student Teaching **12 hrs.**

Total Credit Hours **65 hrs.**

*Please see chart on second page for course equivalencies



YOUR FUTURE - YOUR CHOICE



Course Equivalency Table

Eastern Oklahoma State College	East Central University
BIOL 1114 General Biology	BIOL 1114 General Biology
ZOO 1114 General Zoology	BIOL 1314 General Zoology
PSY 1113 Introduction to Psychology	PSYCH 1113 General Psychology
MATH 1513 College Algebra	MATH 1513 College Algebra
CHEM 1315 General College Chemistry I	CHEM 1114 General Chemistry I
CHEM 1415 General College Chemistry II	CHEM 1214 General Chemistry II
CHEM 2105 Organic Chemistry I <	CHEM 3114 Organic Chemistry I
CHEM 2205 Organic Chemistry II <	CHEM 4114 Organic Chemistry II
PHY 1114 General Physics I	PHYS 1114 General Physics I
PHY 1214 General Physics II	PHYS 1214 General Physics II
SPCH 1113 Fundamentals of Speech	COMM 1113 Fund. of Human Communication

NOTE:

PHY 2014 Engineering Physics I and PHY 2114 Engineering Physics II maybe taken in place of PHY 1114 and PHY 1214

CHEM 3484 Instrumental Analysis is only offered in the Spring semester on even years.

CHEM 4413 Advanced Inorganic Chemistry is only offered in the Spring Semester on odd years.

CHEM 3214 Quantitative Analysis I is offered every Spring

CHEM 4514 is ONLY offered in the Fall of even numbered years.

CHEM 4213 Biochemistry is offered every Fall.

NOTES:

- ⇒ Articulated using EOSC's A.S. for Life Science and without a Minor. A Minor is not required.
- ⇒ A student transferring with an Associate degree in Arts or Science from EOSC fulfills ECU's general education requirement by transferring his or her credit to East Central University. Transferring credit for general education does not eliminate or otherwise affect any of the following ECU requirements: (1) prerequisites; (2) specific requirements in majors, minors, or related work in these areas; or (3) the requirements for teacher certification. General Education equivalencies can be found by referring to either the Oklahoma State Regents Transfer Matrix or the ECU Transfer Matrix. Both matrices can be found at www.ecok.edu by clicking on *Admissions* and scrolling down to *Course Transfer Matrix*.
- ⇒ A student must earn at least 40 semester hours in upper-division courses (numbered 3000 or higher). A course taught at EOSC may equate in content to an ECU 3000-4000 level course, but it will not be counted as part of the 40 hours of upper level courses.
- ⇒ A student must earn at least 60 semester hours, excluding physical activity courses, at a baccalaureate degree granting institution.
- ⇒ A Student must earn at least 124 credit hours that apply to an ECU Bachelor's degree.