

**Transfer
with
Ease**

Articulation Agreement

BACHELOR OF SCIENCE: CHEMISTRY

Teacher Certification Catalog Year 2022 - 2023

Eastern Oklahoma State College

East Central University

Associate of Science - Physical Science

- 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.**

*Please see chart on second page for course equivalencies

Bachelor of Science—Chemistry

- BIOL 2184 Human Anatomy
- EDUC 2012 Diversity in American Education
- EDUC 2211 Field Experience I
- EDUC 2402 Survey of Exceptional Children
- EDUC 2631 Foundations of Educational Technology
- PSYCH 3463 Child & Adolescent Psychology
- —3 hrs. Required CHEM Elective **16 hrs.**

- BIOL 3634 Human Physiology
- CHEM 3214 Quantitative Analysis I
- EDUC 4043 Strategies for Effective Teaching
- EDUC 3001 Field Experience II
- —4 hrs. Required CHEM Elective **16 hrs.**

- GEOG 1214 Earth Science
- PHYS 1314 Astronomy
- B/C/P 4113 Methods of Teaching Biol/Physical Sciences
- EDPSY 3513 Educational Psychology
- EDUC 4611 Field Experience III
- EDUC 4632 Educational Technology **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 61 hrs.**



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.