

East Central University/Eastern Oklahoma State College Articulation Agreement

Bachelor of Science: Chemistry

Catalog Year 2017-2018

Associate of Arts—Life Science

<input type="checkbox"/> OLS 1111 Orientation and Library Science	
<input type="checkbox"/> ENGL 1113 Freshman Composition I	
<input type="checkbox"/> POL SC 1113 American Federal Government	
<input type="checkbox"/> CHEM 1315 General College Chemistry I*	
<input type="checkbox"/> SPCH 1113 Fundamentals of Speech OR SPCH 2233 Business & Professional Speech	
<input type="checkbox"/> MATH 1513 College Algebra*	18
<hr/>	
<input type="checkbox"/> ENGL 1213 Freshman Composition II	
<input type="checkbox"/> MATH 1613 Trigonometry*	
<input type="checkbox"/> BIOL 1114 General Biology	
<input type="checkbox"/> HIST 1483 American History to 1877 OR HIST 1493 American History since 1877	
<input type="checkbox"/> CHEM 1415 General College Chemistry II*	18
<hr/>	
<input type="checkbox"/> PHY 1114 General Physics I*	
<input type="checkbox"/> CHEM 2105 Organic Chemistry I*	
<input type="checkbox"/> CIS 1113 Computer Applications	
<input type="checkbox"/> —3 Humanities (VI A)	15
<input type="checkbox"/> —3 Humanities (VI B)	
<input type="checkbox"/> MATH 2235 Calculus I*	
<input type="checkbox"/> PHY 1214 General Physics II*	
<input type="checkbox"/> CHEM 2205 Organic Chemistry II*	
<input type="checkbox"/> —3 Social Science Elective	20
<hr/>	
Total Credit Hours	71

* please see chart on second page
for course equivalencies



Bachelor of Science—Chemistry

<input type="checkbox"/> CHEM 4514 Physical Chemistry I	
<input type="checkbox"/> MATH 3025 Calculus & Analytic Geometry II	
<input type="checkbox"/> —3 Minor or Upper Level Elective	
<input type="checkbox"/> —3 Minor or Upper Level Elective	15
<hr/>	
<input type="checkbox"/> CHEM 3214 Quantitative Analysis I	
<input type="checkbox"/> CHEM 4413 Advanced Inorganic Chemistry	
<input type="checkbox"/> —3 Minor or Upper Level Elective	
<input type="checkbox"/> —6 Minor or Upper Level Elective	16
<hr/>	
<input type="checkbox"/> CHEM 4213 Biochemistry	
<input type="checkbox"/> —3 Minor or Upper Level Elective	
<input type="checkbox"/> —3 Minor or Upper Level Elective	
<input type="checkbox"/> —3 Minor or Upper Level Elective	
<input type="checkbox"/> —3 Minor or Upper Level Elective	15
<hr/>	
<input type="checkbox"/> CHEM 3484 Instrumental Analysis	
<input type="checkbox"/> —3 Minor or Upper Level Elective	
<input type="checkbox"/> —3 Minor or Upper Level Elective	
<input type="checkbox"/> —3 Minor or Upper Level Elective	
<input type="checkbox"/> —3 Minor or Upper Level Elective	16
<hr/>	
Total Credit Hours	62



Total Credit Hours Taken:	133
Total Credit Hours Applied to BS Degree:	124

East Central University/Eastern Oklahoma State College Articulation Agreement

Bachelor of Science: Chemistry

Course Equivalency Table

Eastern Oklahoma State College	East Central University
BIOL 1114 General Biology	BIOL 1114 General Biology
MATH 1513 College Algebra	MATH 1513 College Algebra
MATH 1613 Trigonometry	MATH 1713 Trigonometry
MATH 2235 Calculus I	MATH 2825 Calculus & Analytic Geometry I
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

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

Articulated using EOSC's A.S. in Physical Science.

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 *Academics* and scrolling down to *Course Transfer Ma-*

Articulated without a minor. A minor is required, please see an advisor for appropriate courses.

**Will transfer as course content but not for upper level credit: Student should meet with an ECU advisor for more information.

NOTES:

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.

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.