



East Central University/Murray State College Articulation Agreement

Bachelor of Science: Physics

Teacher Certification Concentration Catalog Year 2017-2018

Associate of Science—Chemistry (Physics)	Bachelor of Science—Physics
<input type="checkbox"/> COL 1211 Academic Success	<input type="checkbox"/> PHYS 1314 Astronomy
<input type="checkbox"/> ENG 1113 English Comp I	<input type="checkbox"/> PSYCH 3463 Child & Adolescent Psychology
<input type="checkbox"/> HST 1483 U.S. History to 1865 OR HST 1493 U.S. History since 1865	<input type="checkbox"/> EDUC 2402 Survey of Exceptional Children
<input type="checkbox"/> MTH 1513 College Algebra*	<input type="checkbox"/> EDUC 2012 Foundations of Education
<input type="checkbox"/> MTH 1613 Plane Trigonometry*	<input type="checkbox"/> EDUC 2211 Field Experience I
<input type="checkbox"/> BIO 1114 Principals of Biology 17	<input type="checkbox"/> EDUC 2631 Foundations of Educational Technology
<hr/>	<input type="checkbox"/> MATH 3025 Calculus & Analytic Geometry II 18
<input type="checkbox"/> ENG 1213 English Comp II	<input type="checkbox"/> CHEM —7 Chemistry Elective
<input type="checkbox"/> MTH 2215 Calculus I w/ Analytic Geometry*	<input type="checkbox"/> PHYS 3113 Mechanics I
<input type="checkbox"/> BOT 1114 General Botany OR ZOO 1114 General Zoology*	<input type="checkbox"/> —2 Required Physics Elective (not PHYS 3222 or 4222)
<input type="checkbox"/> CIS 1113 Computer Applications	<input type="checkbox"/> EDUC 3001 Field Experience II
<input type="checkbox"/> HWP 1112 Personal Health 17	<input type="checkbox"/> EDPSY 3513 Educational Psychology
<hr/>	<input type="checkbox"/> PHYS 3412 Junior Physics Laboratory 20
<input type="checkbox"/> PHY 2015 Engineering Physics I*	<input type="checkbox"/> PHYS 3013 Modern Physics
<input type="checkbox"/> CHM 1114 Gen Chemistry I*	<input type="checkbox"/> PHYS 4113 Electricity & Magnetism –Field Theory
<input type="checkbox"/> SPC 1113 Fundamentals of Speech*	<input type="checkbox"/> B/C/P 4113 Methods Teach Biological/Physical Sciences
<input type="checkbox"/> PSY 1113 Intro to Psychology*	<input type="checkbox"/> GEOG 1214 Earth Science
<input type="checkbox"/> —3 Cultural & Global Education 18	<input type="checkbox"/> EDUC 4043 Strategies for Effective Teaching
<hr/>	<input type="checkbox"/> EDUC 4611 Field Experience III
<input type="checkbox"/> PHY 2115 Engineering Physics II*	<input type="checkbox"/> <u>EDUC 4632 Educational Technology Integration Strategies</u> 19
<input type="checkbox"/> CHM 1214 General Chemistry II*	<input type="checkbox"/> EDUC 4262 Student Teaching Seminar I
<input type="checkbox"/> GVT 1113 American Federal Government	<input type="checkbox"/> EDUC 4282 Student Teaching Seminar II
<input type="checkbox"/> —3 Cultural & Global Education 15	<input type="checkbox"/> EDUC 4974 Supervised Student Teaching
<hr/>	<input type="checkbox"/> EDUC 4974 Supervised Student Teaching 12
Total Credit Hours 67	Total Credit Hours 69
<p>* please see chart on second page for course equivalencies</p> 	

Total Credit Hours Required for BS Degree: 136
Total Hours Completed: 136

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Teacher Certification Concentration

Course Equivalency Table

Murray State College	East Central University
CHM 1114 Gen Chemistry I	CHEM 1114 General Chemistry I
CHM 1214 Gen Chemistry II	CHEM 1214 General Chemistry II
MTH 1513 College Algebra	MATH 1513 College Algebra
MTH 1613 Plane Trigonometry	MATH 1713 Trigonometry
MTH 2215 Calculus I w/ Analytic Geometry	MATH 2825 Calculus and Analytic Geometry I
BOT 1114 General Botany OR ZOO 1114 General Zoology	BIOL 1214 General Botany OR BIOL 1314 General Zoology
PSY 1113 General Psychology	PSYCH 1113 General Psychology
PHY 2015 Engineering Physics I	PHYS 2115 Engineering Physics I
PHY 2115 Engineering Physics II	PHYS 2225 Engineering Physics II
SPC 1113 Fundamentals of Speech	COMM 1113 Fundamentals of Human Communication

Articulated using MSC's A. S in Chemistry (Physics).

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 Matrix*.

Articulated with a minor in Professional Education. This minor is required by the Teacher Certification Concentration, 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 MSC 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 MSC 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.