Transfer Articulation Agreement With BACHELOR OF SCIENCE: PHYSICS Ease Catalog Year 2018 - 2019		
Murray State College	East Central University	
Associate of Science–Chemistry (Physics)	Bachelor of Science–Physics	
 BIO 1114 General Biological Science COL 1211 Academic Success ENG 1113 English Comp I HST 1483 U.S. History to 1865 OR HST 1493 U.S. History since 1865 MTH 1513 College Algebra* MTH 1613 Plane Trigonometry* I7 hrs. BOT 1114 General Botany OR ZOO 1114 General Zoology CS 1613 Programming I* ENG 1213 English Comp II HWP 1112 Personal Health MTH 2215 Calculus I w/ Analytic Geo* I7 hrs. CHM 1114 Gen Chemistry I* PSY 1113 Intro to Psychology OR SOC 1113 Intro to Sociology SPC 1113 Fundamentals of Speech —3 Cultural & Global Education I8 hrs. 	 PHYS 3813 Optics PHYS 3013 Modern Physics PHYS 4113 Electricity & Magnetism–Field Theory MATH 3025 Calculus & Analytic Geometry II -3 Minor or Elective 15 hr PHYS 3113 Mechanics I PHYS 3412 Junior Physics Laboratory MATH 3033 Calculus & Analytic Geometry III -3 Minor or Elective -3 Minor or Elective -3 Minor or Elective -2 Elective 15 hr MATH 4113 Differential Equations PHYS 4513 Quantum Mechanics -2 Required Physics Elective 3000-4000 Level -3 Upper Level Minor or Elective -3 Minor or Elective -3 Minor or Elective 	
Total Credit Hours 67 hrs.	Total Credit Hours 60 hr	
* Please, see chart on second page for course equivalencies.		

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
PHY 1114 General Physics I	PHYS 1114 General Physics I
PHY 1214 General Physics II	PHYS 1214 General Physics II

NOTES:

⇒ Articulated using MSC's A.S. for Business and without a Minor. A Minor is not required.

- ⇒ 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. 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 <u>at least 40 semester hours in upper-division</u> 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.
- \Rightarrow A student must earn <u>at least 60 semester hours</u>, excluding physical activity courses, at a baccalaureate degree granting institution.

 \Rightarrow A Student must earn <u>at least 124 credit hours</u> that apply to an ECU Bachelor's degree.