East Central University/Murray State College Articulation Agreement

Bachelor of Science: Mathematics

Applied/Pre-Actuary Concentration
Catalog Year 2017-2018

Associate of Science—Mathematics		Bachelor of Science—Mathematics	
☐ COL 1211 Academic Success		☐ MIS 1903 Computer Business Application	
☐ ENG 1113 English Comp I		☐ ECON 2013 Principles of Microeconomics	
☐ HST 1483 U.S. History to 1877 **OR** HST 1493 U.S. History since 1877		☐ MATH 3033 Calculus & Analytic Geometry III	
☐ MTH 1513 College Algebra*		☐ COMM 1113 Fundamentals of Speech **OR** COMM 2253 Communications in the Workplace	
☐ CIS 1113 Computer Applications		☐ MATH 2213 Introduction to Probability & Statistics	15
☐ Science Elective w/ Lab	17		
		☐ MATH 3713 Linear Algebra	
☐ ENG 1213 English Comp II		☐ MATH 3513 Mathematical Statistics **OR** MATH 3583 Applied Statistics	
☐ Science Elective w/ Lab		☐ Choose One: CPSMA 3913, 3933, **OR** 4413	
☐ HWP 1112 Personal Health		☐ MATH 4113 Differential Equations	
☐ MTH 1613 Plane Trigonometry*		☐ —-3 Upper Level MATH, CMPSC, MIS, MGMT, MKTG, BUSLW or FIN Approved Course	
☐ Humanities Elective	15	☐ FIN 3913 Principles of Insurance	15
		☐ ACCT 2103 Financial Accounting	
☐ PHY 2015 Engineering Physics I		☐ —-3 Upper Level MATH, CMPSC, MIS, MGMT, MKTG, BUSLW or FIN Approved Course	
☐ MTH 2215 Calculus I w/ Analytic Geometry*		☐ FIN 3113 Financial Management	
☐ CS 1613 Programming I*		☐ ENG 3183 Technical and Professional Writing	
☐ Humanities Elective	16	☐ —-3 Elective	15
		☐ MATH 3513 Mathematical Statistics **OR** MATH 3583 Applied Statistics (one not chosen in previous spring)	
☐ MTH 2315 Calculus II w/ Analytic Geometry*		☐ Choose One: CPSMA 3913, 3933, **OR** 4413	
☐ PHY 2115 Engineering Physics II		☐ MATH 4923 Perspectives in Mathematics	
☐ GVT 1113 American Federal Government		☐ —-3 Upper Level MATH, CMPSC, MIS, MGMT, MKTG, BUSLW or FIN Approved Course	
☐ ECO 2113 Principles of Macroeconomics*	16	☐ MIS 3433 Management Information Systems	15
Total Credit Hours	64	Total Credit Hours	60

* please see chart on second page
for course equivalencies

Total Hours Completed: 124
Total Credit Hours Required for BS Degree: 124

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Course Equivalency Table

Murray State College	East Central University
MTH 1513 College Algebra	MATH 1513 College Algebra
MTH 1613 Plane Trigonometry	MATH 1713 Trigonometry
MTH 2215 Calculus I w/ Analytic Geometry	MATH 2825 Calc and Analytical Geometry I
MTH 2315 Calculus II w/ Analytic Geometry**	MATH 3025 Calc and Analytical Geometry II
ECO 2113 Principles of Macroeconomics	ECON 2003 Principles of Macro Economics
CS 1613 Programming I	CMPSC 1113 Computer Programming I

Articulated using MSC's A. S in Mathematics.

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 without a minor. A minor is not 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 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.