

**Transfer
with
Ease**

Articulation Agreement

BACHELOR OF SCIENCE: MATHEMATICS

Applied/Pre-Actuary Catalog Year 2022 - 2023

Murray State College

East Central University

Associate of Science Computer Science Mathematics Option

- CIS 1113 Computer Applications
- COL 1211 Academic Success
- ENG 1113 English Comp I
- HST 1483 U.S. History to 1877 OR HST 1493 U.S. History since 1877
- MTH 1513 Pre Calculus*
- ~4 hrs. Science Elective w/ Lab 17 hrs.

- HWP 1112 Personal Health
- ENG 1213 English Comp II
- MTH 1613 Plane Trigonometry*
- ~4 hrs. Science Elective w/ Lab
- ~3 hrs. Humanities Elective 15 hrs.

- CS 1613 Programming I*
- MTH 2215 Calculus I w/ Analytic Geometry*
- PHY 1114 General Physics I
- ~3 hrs. Humanities Elective 16 hrs.

- GVT 1113 American Federal Government
- MTH 1213 Intro to Statistics* †
- PHY 1214 General Physics II
- ECO 2113 Principles of Macroeconomics 16 hrs.

Total Credit Hours 62 hrs.

* † Please see chart on second page for course equivalencies

Bachelor of Science—Mathematics

- COMM 1113 Fundamentals of Speech OR COMM 2253 Communications in the Workplace
- ECON 2013 Principles of Microeconomics
- MATH 3025 Calculus and Analytic Geometry II
- MIS 1903 Computer Bus Application
- ~3hrs. Upper Level MATH, CMPSC, MIS, MGMT, MKTG, BUSLW or FIN Approved Course 17 hrs.

- MATH 3033 Calculus & Analytic Geometry III
- FIN 3913 Principles of Insurance
- MATH 3513 Mathematical Statistics OR MATH 3583 Applied Statistics
- MATH 3713 Linear Algebra
- Choose One: CPSMA 3913, 3933, OR 4413 15 hrs.

- ACCT 2103 Financial Accounting
- ENG 3183 Technical and Professional Writing
- FIN 3113 Financial Management
- MATH 4113 Differential Equations
- ~3 hrs. Upper Level MATH, CMPSC, MIS, MGMT, MKTG, BUSLW or FIN Approved Course 15 hrs.

- MATH 3513 Mathematical Statistics OR MATH 3583 Applied Statistics
- MATH 4923 Perspectives in Mathematics
- MIS 3433 Management Information Systems
- Choose One: CPSMA 3913, 3933, OR 4413 (Choose one not taken in previous spring)
- ~3 Upper Level MATH, CMPSC, MIS, MGMT, MKTG, BUSLW or FIN Approved Course 15 hrs.

Total Credit Hours 62 hrs.



YOUR FUTURE - YOUR CHOICE



Course Equivalency Table

Murray State College	East Central University
CS 1613 Programming I	CMPSC 1113 Computer Programming I
ECO 2113 Principles of Macroeconomics	ECON 2003 Principles of Macroeconomics
MATH 1213 Intro To Statistics ‡	MATH 0214 Intermediate Algebra
MTH 1513 Pre Calculus	MATH 1513 College Algebra
MTH 1613 Plane Trigonometry	MATH 1713 Trigonometry
MTH 2215 Calculus I w/ Analytic Geometry	MATH 2825 Calculus and Analytical Geometry I

NOTES:

- ⇒ Articulated using MSC's A.S. in Science Computer Science Mathematics Option and without a Minor. A Minor is not required.
- ⇒ < Will transfer as course content but not for upper level credit: Student should meet with an ECU advisor for more information.
- ⇒ ‡ MATH 1213 Intro to Statistics is not evaluated at the Regents level as a Statistics course. This course will have to be substituted for ECU's Math 1223 Intro to Probability and Statistics.
- ⇒ 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 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.
- ⇒ A Student must earn at least 124 credit hours that apply to an ECU Bachelor's degree.