

**Transfer
with
Ease**

Articulation Agreement

BACHELOR OF SCIENCE: MATHEMATICS

Teacher Certification Catalog Year 2022 - 2023

Murray State College

East Central University

Associate of Science Computer Science Mathematics Option

Bachelor of Science—Mathematics

- 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.

- ENG 1213 English Comp II
- HWP 1112 Personal Health
- MTH 1613 Plane Trigonometry*
- ~4 hrs. Science Elective w/ Lab
- ~3 hrs. Humanities Elective 16 hrs.

- CS 1613 Programming I*
- MTH 1213 Intro to Statistics* ‡
- PHY 1114 General Physics I
- SPCH 1113 Speech
- ~3 hrs. Humanities Elective 15 hrs.

- GVT 1113 American Federal Government
- MATH 2215 Calculus I w/ Analytic Geometry
- PHY 1214 General Physic II
- PSY 1113 Introductory Psychology* 15 hrs.

- Total Credit Hours** **64 hrs.**

- EDUC 2012 Diversity in American Education
- EDUC 2211 Field Experience I
- EDUC 2631 Foundations of Educational Technology
- EDUC 2402 Survey of Exceptional Children
- MATH 3025 Calculus & Analytic Geometry II
- MATH 3093 Intro-Theorem Proving & No. Theory
- PSYCH 3463 Child & Adolescent Psych 17 hrs.

- EDPSY 3513 Educational Psychology
- EDUC 3001 Field Experience II
- EDUC 4632 Ed Tech Integration Strategies
- MATH 3213 College Geometry
- MATH 3713 Linear Algebra
- MATH 4915 Meth Teach Sec Math 17 hrs.

- CPSMA 3913 Discrete Math
- EDUC 4042 Strategies for Effective Teaching
- EDUC 4611 Field Experience III
- MATH 3033 Calculus & Analytic Geometry III
- MATH 3813 Modern Algebra
- MATH 4923 Perspectives in Mathematics
- —3 hrs. Required Upper Level Math Elective 18 hrs.

- EDUC 4262 Student Teaching Seminar I
- EDUC 4282 Student Teaching Seminar II
- EDUC 4974 Supervised Student Teaching
- EDUC 4974 Supervised Student Teach 12 hrs.

- Total Credit Hours** **62 hrs.**

* ‡ Please see chart on second page for course equivalencies



YOUR FUTURE - YOUR CHOICE



Course Equivalency Table

Murray State College	East Central University
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
MTH 2315 Calculus II w/ Analytic Geometry <	MATH 3025 Calculus and Analytical Geometry II
PSY 1113 Introduction to Psychology	PSYCH 1113 General Psychology
CS 1613 Programming I	CMPSC 1113 Computer Programming 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.