

**Transfer
with
Ease**

Articulation Agreement

BACHELOR OF SCIENCE: MATHEMATICS

Teacher Certification Catalog Year 2019 - 2020

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 College Algebra*
- ---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 2315 Calculus II w/ Analytic Geometry* <
- PHY 1214 General Physics II
- PSY 1113 Introductory Psychology* **16 hrs.**

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

* Please see chart on second page
for course equivalencies

Bachelor of Science—Mathematics

- COMM 1113 Fundamentals of Speech
- EDUC 2012 Foundations of Education
- EDUC 2211 Field Experience I
- EDUC 2631 Foundations of Educational Technology
- EDUC 2402 Survey of Exceptional Children
- MATH 1223 Intro to Probability & Statistics
- MATH 3093 Intro-Theorem Proving & No. Theory
- PSYCH 3463 Child & Adolescent Psych **18 hrs.**

- EDPSY 3513 Educational Psychology
- EDUC 3001 Field Experience II
- EDUC 4632 Educational Technology
- MATH 4915 Meth Teach Sec Math OR 3 hrs.
Required Elec 3000-4000 level
- MATH 3713 Linear Algebra
- MATH 3213 College Geometry
- ---3 Req Upper Level Math Elective **18-20 hrs.**

- EDUC 4043 Strategies for Effective Teaching
- EDUC 4611 Field Experience III
- MATH 3033 Calculus & Analytic Geometry III
- MATH 3813 Modern Algebra
- MATH 4923 Perspectives in Mathematics
- MATH 4915 Meth Tch Sec Math OR 3 hrs. Required
Elective 3000-4000 level **16-18 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 **66 hrs.****



YOUR FUTURE - YOUR CHOICE



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 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	CMPS 1113 Computer Programming I

< Will transfer as course content but not for upper level credit: Student should meet with an ECU advisor for more information.

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 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.