East Central University/Murray State College Articulation Agreement

Bachelor of Science: Mathematics

Catalog Year 2017-2018

Associate of Science—Mathematics

- ☐ 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*
- ☐ CIS 1113 Computer Applications
- ☐ ----4 Science Elective w/ Lab 17

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

- ☐ PHY 2015 Engineering Physics I
- ☐ MTH 2215 Calculus I w/ Analytic Geometry*
- ☐ CS 1613 Programming I*
- ☐ ----3 Humanities Elective 16

MTH 2315 Calculus II w/ Analytic Geometry*

- ☐ PHY 2115 Engineering Physics II
- ☐ GVT 1113 American Federal Government
- ☐ ----3 Arts Elective 16

Total Credit Hours 64

* please see chart on second page for course equivalencies

MSC MURRAY STATE COLLEGE

Bachelor of Science—Mathematics

- ☐ MATH 2213 Intro to Probability & Statistics
- ☐ MATH 3093 Intro-Theorem Proving & Number Theory
- ☐ MATH 3033 Calculus & Analytic Geometry III
- ☐ PHYS 3013 Modern Physics
- ☐ —-3 Minor or Elective 15

- ☐ MATH —-3 Upper Level Mathematics Elective
- ☐ MATH 3713 Linear Algebra
- ☐ MATH 4133 Intermediate Analysis or MATH 4113
- ☐ MATH —-3 Upper Level Mathematics Elective
- ☐ —-3 Minor or Elective 15

- ☐ MATH 3813 Modern Algebra
- ☐ MATH 4923 Perspectives in Mathematics
- ☐ —-3 Minor or Elective
- ☐ —-3 Minor or Elective
- ☐ —-3 Minor or Elective 15

- ☐ MATH 4113 Differential Equations or MATH 4133
- ☐ MATH —-3 Upper Level Mathematics Elective
- ☐ —-3 Minor or Elective
- ☐ —-3 Minor or Elective
- ☐ —-3 Minor or Elective 15

Total Credit Hours 60

ECU

Total Credit Hours Taken: 124
Total Credit Hours Applied to BS Degree: 124

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Bachelor of Science: Mathematics

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
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 with a minor in Physics. A minor is required, if a different minor is desired, 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.