East Central University/Eastern Oklahoma State College Articulation Agreement

Bachelor of Science: Mathematics

Catalog Year 2017-2018

Associate of Science—Mathematics	Bachelor of Science—Mathematics

Associate of Science—Mathematics

- ☐ OLS 1111 Orientation and Library Science
- ☐ ENGL 1113 Freshman Composition I
- ☐ POL SC 1113 American Federal Government
- ☐ MATH 1513 College Algebra*
- ☐ CIS 1113 Computer Applications
- ☐ Math 1613 Trigonometry* **16**

- ☐ Physical Science
- ☐ ENGL 1213 Freshman Composition II
- ☐ —-3 Humanities (VI A)
- ☐ MATH 2235 Calculus I*
- ☐ HIST 1483 American History to 1877 **OR** HIST 1493 American History since 1877 **18-19**

- ☐ MATH 2245 Calculus II*
- ☐ Life Science
- ☐ —-3 Social Science (II C)
- ☐ Supporting Elective **15-17**

- ☐ MATH 2343 Calculus III*
- ☐ —-3 Humanities (VI B)
- ☐ SPCH 1113 Fundamentals of Speech **OR** SPCH 2233 Business & Professional Speaking
- ☐ Supporting Elective
- ☐ —-1-3 General Education Elective **14-17**

Total Credit Hours **65-69**

* please see chart on second page
for course equivalencies

Bachelor of Science—Mathematics

- ☐ MATH 2213 Intro to Probability & Statistics
- ☐ MATH 3093 Intro to Theorem Proving & Number Theory
- ☐ CMPSC 1113 Computer Programming I
- ☐ —-3 Minor or Upper Level Elective
- ☐ —-3 Minor or Upper Level Elective **15**

- ☐ MATH 3713 Linear Algebra
- ☐ MATH 4133 Intermediate Analysis **OR** MATH 4113 Differential Equations
- ☐ —-3 Required Upper Level MATH Elective
- ☐ —-3 Minor or Upper Level Elective
- ☐ —-3 Minor or Upper Level Elective **15**

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

- ☐ MATH 4133 Intermediate Analysis **OR** MATH 4113 Differential Equations
- ☐ —-3 Required Upper Level MATH Elective
- ☐ —-3 Minor or Upper Level Elective
- ☐ —-3 Minor or Upper Level Elective
- ☐ —-3 Minor or Upper Level Elective **15**

Total Credit Hours **60**

Total Credit Hours Taken: 125 - 129
Total Credit Hours Applied to BS Degree: 124

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Bachelor of Science—Mathematics

Course Equivalency Table

Eastern Oklahoma State College	East Central University
MATH 1613 Trigonometry	MATH 1713 Trigonometry
MATH 1513 College Algebra	MATH 1513 College Algebra
MATH 2235 Calculus I	MATH 2825 Calculus and Analytic Geometry I
MATH 2245 Calculus II**	MATH 3025 Calculus and Analytic Geometry II
MATH 2343 Calculus III**	MATH 3033 Calculus and Analytic Geometry III

Articulated using EOSC'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 Ma-*

Articulated without a minor. A minor is 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 EOSC 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 EOSC 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.