



East Central University/Eastern Oklahoma State College Articulation Agreement

Bachelor of Science: Mathematics

Catalog Year 2014-2015

Associate of Science—Mathematics	Bachelor of Science—Mathematics
<input type="checkbox"/> OLS 1111 Orientation and Library Science <input type="checkbox"/> ENGL 1113 Freshman Composition I <input type="checkbox"/> POL SC 1113 American Federal Government <input type="checkbox"/> MATH 1513 College Algebra* <input type="checkbox"/> CIS 1113 Computer Applications <input type="checkbox"/> Math 1613 Trigonometry* 16 <hr/> <input type="checkbox"/> Physical Science <input type="checkbox"/> ENGL 1213 Freshman Composition II <input type="checkbox"/> —3 Humanities (VI A) <input type="checkbox"/> MATH 2235 Calculus I* <input type="checkbox"/> HIST 1483 American History to 1877 OR HIST 1493 American History since 1877 18-19 <hr/> <input type="checkbox"/> MATH 2245 Calculus II* <input type="checkbox"/> Life Science <input type="checkbox"/> —3 Social Science (II C) <input type="checkbox"/> Supporting Elective 15-17 <hr/> <input type="checkbox"/> MATH 2343 Calculus III* <input type="checkbox"/> —3 Humanities (VI B) <input type="checkbox"/> SPCH 1113 Fundamentals of Speech OR SPCH 2233 Business & Professional Speaking <input type="checkbox"/> Supporting Elective <input type="checkbox"/> —1-3 General Education Elective 14-17 <hr/> Total Credit Hours 65-69	<input type="checkbox"/> MATH 2213 Intro to Probability & Statistics <input type="checkbox"/> MATH 3093 Intro to Theorem Proving & Number Theory <input type="checkbox"/> CMPSC 1113 Computer Programming I <input type="checkbox"/> —3 Minor or Upper Level Elective <input type="checkbox"/> —3 Minor or Upper Level Elective 15 <hr/> <input type="checkbox"/> MATH 3713 Linear Algebra <input type="checkbox"/> MATH 4133 Intermediate Analysis OR MATH 4113 Differential Equations <input type="checkbox"/> —3 Required Upper Level MATH Elective <input type="checkbox"/> —3 Minor or Upper Level Elective <input type="checkbox"/> —3 Minor or Upper Level Elective 15 <hr/> <input type="checkbox"/> MATH 3813 Modern Algebra <input type="checkbox"/> MATH 4923 Perspectives in Mathematics <input type="checkbox"/> —3 Required Upper Level MATH Elective <input type="checkbox"/> —3 Minor or Upper Level Elective <input type="checkbox"/> —3 Minor or Upper Level Elective 15 <hr/> <input type="checkbox"/> MATH 4133 Intermediate Analysis OR MATH 4113 Differential Equations <input type="checkbox"/> —3 Required Upper Level MATH Elective <input type="checkbox"/> —3 Minor or Upper Level Elective <input type="checkbox"/> —3 Minor or Upper Level Elective <input type="checkbox"/> —3 Minor or Upper Level Elective 15 <hr/> Total Credit Hours 60
* please see chart on second page for course equivalencies	 

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 Matrix*.

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.

SERVICE LEARNING GRADUATION REQUIREMENT

Effective Fall 2007, first-time transfer students starting at East Central University, who have completed **less than 64 hours**, will be required to do at least 30 hours of service learning by completing at least **two** service learning designated classes prior to their graduation. Those students transferring to ECU who have completed **64 or more hours** will be required to do only 15 hours of service learning by completing at least **one** service learning designated course.