

**Transfer
with
Ease**

Articulation Agreement

BACHELOR OF SCIENCE: MATHEMATICS

Applied/Pre-Actuary Catalog Year 2022 - 2023

Eastern Oklahoma State College

East Central University

Associate of Science—Mathematics

- CIS 1113 Computer Applications
- ENGL 1113 Freshman Composition I
- MATH 1513 College Algebra*
- OLS 1111 Orientation and Library Science
- POL SC 1113 American Fed Government
- SPCH 1113 Fundamentals of Speech OR
- SPCH 2233 Business & Prof Speaking 16 hrs.

- ENGL 1213 Freshman Composition II
- MATH 1613 Trigonometry*
- MATH 2233 Elementary Statistics*
- ---4 hrs. Physical Science
- ---3 hrs. Humanities (VI A) 16 hrs.

- HIST 1483 American History to 1877 or
- HIST 1493 American History since 1877
- ECON 2113 Intro to Macroeconomics*
- MATH 2235 Calculus I*
- ---3 hrs. Supporting Elective
- ---3 hrs. Social Science (VIB) 17 hrs.

- MATH 2245 Calculus II * <
- ECON 2123 Intro to Microeconomics
- ---4 hrs. Life Science
- ---3 hrs. Supporting Elective 15 hrs.

Total Credit Hours 64 hrs.

*Please see chart on second page for course equivalencies

Bachelor of Science—Mathematics

- ACCT 2103 Financial Accounting
- CMPSC 1113 Computer Programming I
- ENG 3183 Technical and Professional Writing
- MATH 3033 Calculus & Analytic Geometry III
- ---3 hrs. Upper Level Elect (BUS, CMPSC, FIN, MATH, MIS, MGMT, MKTG, LS) 15 hrs.

- CPSMA 3913 OR 3933 OR 4413
- FIN 3913 Principles of Insurance
- MATH 3513 Mathematical Statistics OR MATH 3583 Applied Statistics
- MATH 3713 Linear Algebra
- MATH 4113 Differential Equations 15 hrs.

- FIN 3113 Financial Management
- MATH 4923 Perspectives in Mathematics
- MIS 3433 Management Information Systems
- ---3 hrs. Upper Level Elective
- ---3 hrs. Upper Level Elective (BUS, CMPSC, FIN, MATH, MIS, MGMT, MKTG, LS) 15 hrs.

- CPSMA 3913 OR 3933 OR 4413
- MATH 3513 Mathematical Statistics OR MATH 3583 Applied Statistics
- ---3 hrs. Upper Level Elective (BUS, CMPSC, FIN, MATH, MIS, MGMT, MKTG, LS)
- ---3 hrs. Elective
- ---3 hrs. Elective 15 hrs.

Total Credit Hours 60 hrs.



YOUR FUTURE - YOUR CHOICE



Course Equivalency Table

Eastern Oklahoma State College	East Central University
MATH 1513 College Algebra	MATH 1513 College Algebra
MATH 1613 Trigonometry	MATH 1713 Trigonometry
MATH 2233 Elementary Statistics	MATH 1223 Intro to Probability & Statistics
MATH 2235 Calculus I	MATH 2825 Calculus and Analytic Geometry I
MATH 2245 Calculus II <	MATH 3025 Calculus and Analytic Geometry II
ECON 2113 Intro to Macroeconomics	ECON 2003 Principles of Macro Economics
ECON 2123 Intro to Microeconomics	ECON 2013 Principles of Micro Economics
CIS 1113 Computer Applications	MIS 1903 Computer Business Applications
SPCH 1113 Fundamentals of Speech	COMM 1113 Fundamentals of Speech
SPCH 2233 Business and Professional Speaking	COMM 2253 Communication in the Workplace

NOTES:

- < Will transfer as course content but not for upper level credit: Student should meet with an ECU advisor for more information.
- ⇒ Articulated using EOSC's A.S. for Life Science and without a Minor. A Minor is not required.
- ⇒ 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. 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 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.
- ⇒ A Student must earn at least 124 credit hours that apply to an ECU Bachelor's degree.