Articulation Agreement

BACHELOR OF SCIENCE: MATHEMATICS

Applied/Pre-Actuary
Catalog Year 2019—2020

Oklahoma City Community College	East Central University

Associate in Science—Mathematics

- SCL 1001 Success in College and Life
- MATH 2104 Calculus and Analytic Geometry I*
- ENGL 1113 English Composition I
- HIST 1483 U.S. History to 1877 or HIST 1493 U.S. History 1877 to Present
- ——3-4 hrs. Gen. Ed. Biological Science   **14-15 hrs.**

- ENGL 1213 English Composition II
- MATH 2214 Calculus and Analytic Geometry II*
- POLSC 1113 American Federal Government
- PHYS 2014 Engineering Physics I
- ——3 hrs. Gen. Ed. Elective   **17 hrs.**

- MATH 2314 Calculus and Analytic Geometry III*
- CS 1143 Beginning Programming (Support)
- ——3 hrs. Gen. Ed. Humanities Elective
- ——5 hrs. Gen. Ed. Electives   **15 hrs.**

- ECON 2143 Principles of Macroeconomics (Support)
- ——4 hrs. Gen. Ed. Electives
- ——3 hrs. Gen. Ed. Humanities Elective
- ——5 hrs. Support Electives   **15 hrs.**

Total Credit Hours   61 hrs.

> * Please see chart on second page for course equivalencies

Bachelor of Science—Mathematics

- COMM 1113 Fundamentals of Speech OR COMM 2253 Communications in the Workplace
- ECON 2013 Principles of Microeconomics
- MATH 1223 Introduction to Probability & Statistics
- MIS 1903 Computer Bus Application
- ACCT 2103 Financial Accounting   **15 hrs.**

- FIN 3913 Insurance Planning and Risk Management
- MATH 3513 Mathematical Statistics OR MATH 3583 Applied Statistics
- MATH 3713 Linear Algebra
- Choose One: CPSMA 3913, 3933, OR 4413
- ——3hrs. Upper Level MATH, CMPSC, MIS, MGMT, MKTG, BUSLW or FIN Approved Course   **15 hrs.**

- ENG 3183 Technical and Professional Writing
- FIN 3113 Financial Management
- MATH 4113 Differential Equations
- ——3 hrs. Upper Level MATH, CMPSC, MIS, MGMT, MKTG, BUSLW or FIN Approved Course
- ——6 hrs. Elective   **18 hrs.**

- MATH 3513 Mathematical Statistics OR MATH 3583 Applied Statistics
- MATH 4923 Perspectives in Mathematics
- MIS 3433 Management Information Systems
- Choose One: CPSMA 3913, 3933, OR 4413 (Choose one not taken in previous spring)
- ——3 Upper Level MATH, CMPSC, MIS, MGMT, MKTG, BUSLW or FIN Approved Course   **15 hrs.**

Total Credit Hours   63 hrs.

> Students are encouraged to check 4 year degree plan for course sequences and offerings.

Course Equivalency Table

Oklahoma City Community College	East Central University
CS 1143 Beginning Programming*	CMPSC 0000
ECON 2143 Principles of Macroeconomics	ECON 2003 Principles of Macroeconomics
MATH 2104 Calculus and Analytic Geometry I	MATH 2825 Calculus and Analytic Geometry I
MATH 2214 Calculus and Analytic Geometry II<	MATH 3025 Calculus and Analytic Geometry II
MATH 2314 Calculus and Analytic Geometry III<	MATH 3033 Calculus and Analytic Geometry III

NOTES:

⇒ Articulated using OCCC's A.S. Mathematics and without a Minor. A Minor is not required.

⇒ * CS 1143 Beginning Programming will be substituted for CMPSC 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.

⇒ A student transferring with an Associate degree in Arts or Science from OCCC 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 OCCC 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.