Articulation Agreement

BACHELOR OF SCIENCE: MATHEMATICS

Teacher Certification
Catalog Year 2019—2020

Oklahoma City Community College	East Central University

Associate in Science—Mathematics

- ENGL 1113 English Composition I
- HIST 1483 U.S. History to 1877 or HIST 1493 U.S. History 1877 to Present
- MATH 2104 Calculus and Analytic Geometry I*
- SCL 1001 Success in College and Life
- ——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
- PSY 1113 General Psychology (Gen. Ed.)   **17 hrs.**

- MATH 2314 Calculus and Analytic Geometry III*
- CS 1143 Beginning Programming * (Support)
- ——3 hrs. Gen. Ed. Humanities Elective
- ——6 hrs. Gen. Ed. Electives   **16 hrs.**

- MATH 2013 Intro to Statistics (Gen. Ed.)
- ——5 hrs. Foreign Language (Support)
- ——3 hrs. Support Electives
- ——3 hrs. Gen. Ed. Humanities Elective   **14 hrs.**

Total Credit Hours   **61 hrs.**

> ** Please see chart on second page for course equivalencies*

Bachelor of Science—Mathematics

- COMM 1113 Fundamentals of Speech
- EDUC 2012 Foundations of Education
- EDUC 2211 Field Experience I
- EDUC 2631 Foundations of Educational Technology
- EDUC 2402 Survey of Exceptional Children
- MATH 3093 Intro-Theorem Proving & No. Theory
- HHFS 2463 Hum Dev. I: Lifespan **OR** PSYCH 3463 Child & Adolescent Psych
- ——2 hrs. Elective   **17 hrs.**

- CMPSA 3913 Discrete Mathematics
- EDPSY 3513 Educational Psychology
- EDUC 3001 Field Experience II
- EDUC 4632 Educational Technology
- MATH 4915 Meth Teach Sec Math **OR** 3 hrs. Required Elec 3000-4000 level
- MATH 3713 Linear Algebra   **15-17 hrs.**

- EDUC 4043 Strategies for Effective Teaching
- EDUC 4611 Field Experience III
- MATH 3213 College Geometry
  MATH 3813 Modern Algebra
- MATH 4923 Perspectives in Mathematics
- MATH 4915 Meth Tch Sec Math OR 3 hrs. Required Elective 3000-4000 level   **16-18 hrs.**

- EDUC 4262 Student Teaching Seminar I
- EDUC 4282 Student Teaching Seminar II
- EDUC 4974 Supervised Student Teaching
- EDUC 4974 Supervised Student Teach   **12 hrs.**

Total Credit Hours   **60-64 hrs.**
(See total hours required for graduation in notes)

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

YOUR FUTURE - YOUR CHOICE

Course Equivalency Table

Oklahoma City Community College	East Central University
CS 1143 Beginning Programming*	CMPSC 0000
MATH 2013 Intro to Statistics	MATH 1223 Intro to Probability & Statistics
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
PSY 1113 General Psychology	PSYCH 1113 General Psychology

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 <u>at least 40 semester hours in upper-division</u> 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 <u>at least 60 semester hours</u>, excluding physical activity courses, at a baccalaureate degree granting institution.

⇒ A student must earn <u>at least 124 credit hours</u> that apply to an ECU Bachelor's degree.