

**Transfer  
with  
Ease**

# Articulation Agreement

## BACHELOR OF SCIENCE: MATHEMATICS

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. 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. General Ed Elective 17 hrs.
  
- CS 1143 Beginning Programming
- MATH 2314 Calculus and Analytic Geometry III\*
- —3 hrs. Humanities Elective
- —5 hrs. Gen Ed Elective 15 hrs.
  
- —6 hrs. Support Elective
- —6 hrs. Gen Ed Elective
- —3 hrs. Humanities Elective 15 hrs.

**Total Credit Hours** 61-62 hrs.

\* Please see chart on second page for course equivalencies

#### Bachelor of Science—Mathematics

- MATH 1223 Intro to Probability and Statistics
- MATH 3093 Intro to Theorem Prov. & Number Theory
- —3 hrs. Upper Level Math Elective
- —3 hrs. Elective
- —3 hrs. Elective 15 hrs.
  
- MATH 3713 Linear Algebra
- MATH 4133 Intermediate Analysis OR MATH 4113 Differential Equations
- —3 hrs. Upper Level Math Elective
- —3 hrs. Upper Level Elective
- —3 hrs. Upper Level Elective 15 hrs.
  
- MATH 3813 Modern Algebra
- MATH 4923 Perspectives in Mathematics
- —3 hrs. Upper Math Level Elective
- —3 hrs. Upper Level Elective
- —4 hrs. Elective 16 hrs.
  
- MATH 4133 Intermediate Analysis OR MATH 4113 Differential Equations
- —3 hrs. Upper Math Level Elective
- —3 hrs. Upper Level Elective
- —7 hrs. Elective 16 hrs.

**Total Credit Hours** 62 hrs.

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*                | CMPS 0000                                    |
| 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. for Life Science and without a Minor. A Minor is not required.
- ⇒ \* CS 1143 Beginning Programming will be substituted for CMPS 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](http://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.