Articulation Agreement

BACHELOR OF SCIENCE: MATHEMATICS

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*
- MATH 1613 Trigonometry*
- OLS 1111 Orientation and Library Science
- POL SC 1113 American Fed Government   **16 hrs.**

- ENGL 1213 Freshman Composition II
- MATH 2235 Calculus I*
- HIST 1483 American History to 1877 **OR**
    HIST 1493 American History since 1877
- ⁓4 hrs. Physical Science
- —3 hrs. Humanities (VI A)   **18 hrs.**

- MATH 2245 Calculus II * <
- ⁓4 hrs. Life Science
- ⁓3 hrs. Supporting Elective
- —3 hrs. Social Science (II C)   **15 hrs.**

- MATH 2343 Calculus III * <
- SPCH 1113 Fundamentals of Speech **OR**
    SPCH 2233 Business & Professional Speaking
- —3 hrs. Humanities (VI B)
- ⁓3 hrs. Supporting Elective
- —3 hrs. General Education Elective   **15 hrs.**

Total Credit Hours   64 hrs.

> *Please see chart on second page for course equivalencies

Bachelor of Science—Mathematics

- CMPSC 1113 Computer Programming I
- MATH 1223 Intro to Probability & Statistics
- MATH 3093 Intro to Theorem Proving & Number Theory
- —3 hrs. Minor or Upper Level Elective
- —3 hrs. Minor or Upper Level Elect   **15 hrs.**

- MATH 3713 Linear Algebra
- MATH 4133 Intermediate Analysis **OR** MATH 4113 Differential Equations
- —3 hrs. Required Upper Level MATH Elect
- —3 hrs. Minor or Upper Level Elective
- —3 hrs. Minor or Upper Level Elect   **15 hrs.**

- MATH 3813 Modern Algebra
- MATH 4923 Perspectives in Mathematics
- —3 hrs. Required Upper Level MATH Elect
- —3 hrs. Minor or Upper Level Elective
- —3 hrs. Minor or Upper Level Elect   **15 hrs.**

- MATH 4133 Intermediate Analysis **OR** MATH 4113 Differential Equations
- —3 hrs. Required Upper Level MATH Elect
- —3 hrs. Required Upper Level MATH Elect
- —3 hrs. Minor or Upper Level Elective
- —3 hrs. Minor or Upper Level Elect   **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 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
PSY 1113 Introduction to Psychology	PSYCH 1113 General Psychology
SPCH 1113 Fundamentals of Speech	COMM 1113 Fundamentals of Speech

NOTES:

⇒ Articulated using EOSC's A.S. for Life Science and without a Minor. A Minor is not required.

⇒ ‹ 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 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.