

**Transfer
with
Ease**

Articulation Agreement

BACHELOR OF SCIENCE: MATHEMATICS

Catalog Year 2022-2023

Seminole State College

East Central University

Associate in Arts in Liberal Studies—Mathematics Emphasis

- CAP 1103 Introduction to Microsoft Office
- ENG 1113 Composition I
- GOV 1113 American National Government
- HPER 1012 Wellness and Human Development
- MATH 1513 Pre-Calculus (Eng.-Physics)
- STSC 1002 Learning Strategies 15 hrs.

- ENG 1213 Composition II
- MATH 1613 Plane Trigonometry*
- MATH 2215 Calculus and Analytic Geometry I*
- ~4 hrs. Physical Science Elective w/Lab 15 hrs.

- CS 2013 Programming in C++*
- MATH 2424 Calculus and Analytic Geometry II * <
- SPCH 1143 Speech
- —3 hrs. Humanities Elective
- —3 hrs. Humanities Elective 16 hrs.

- HIST 1483 American History To 1877 OR HIST 1493 American History Since 1877
- MATH 2434 Calculus and Analytic Geometry III * <
- **MATH 2533 Differential Equations**
- ~4 Life Science Elective w/Lab
- —3 Required Elective 17 hrs.

Total Credit Hours 63 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. Minor or Elective
- —3 hrs. Minor or Elective 15 hrs.

- MATH 3713 Linear Algebra
- MATH 4133 Intermediate Analysis OR MATH 4113 Differential Equations
- —3 hrs. Upper Level Math Elective
- —3 hrs. Minor or Upper Level Elective
- —4 hrs. Minor or Elective 16 hrs.

- MATH 3813 Modern Algebra
- MATH 4923 Perspectives in Mathematics
- —3 hrs. Minor or Upper Level Elective
- —4 hrs. Minor or Upper Level Elective
- —3 hrs. Minor or Elective 16 hrs.

- MATH 4133 Intermediate Analysis
- —3 hrs. Upper Math Level Elective
- —3 hrs. Minor or Upper Level Elective
- —3 hrs. Minor or Upper Level Elective
- —3 hrs. Minor or Elective 15 hrs.

Total Credit Hours 62 hrs.



YOUR FUTURE - YOUR CHOICE



Course Equivalency Table

Seminole State College	East Central University
MATH 1513 Pre-Calculus	MATH 1513 College Algebra
MATH 1613 Plane Trigonometry	MATH 1713 Trigonometry
MATH 2215 Calculus and Analytic Geometry I	MATH 2825 Calculus and Analytic Geometry I
MATH 2424 Calculus and Analytic Geometry II <	MATH 3025 Calculus and Analytic Geometry II
MATH 2434 Calculus and Analytic Geometry III <	MATH 3033 Calculus and Analytic Geometry III
MATH 2533 Differential Equations	MATH 4113 Differential Equations
CS 2013 Programming in C++	CMPSC 1113 Computer Programming I

NOTES:

- ⇒ Articulated using SSC'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 SSC 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 SSC 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.