

**Transfer  
with  
Ease**

# Articulation Agreement

**BACHELOR OF SCIENCE: COMPUTER SCIENCE**

**Catalog Year 2019 - 2020**

## Seminole State College

## East Central University

### Associate in Science—Mathematics

- 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\*
- STSG 1002 Learning Strategies 15 hrs.
  
- ENG 1213 Composition II
- MATH 1613 Plane Trigonometry\*
- MATH 2215 Calculus and Analytic Geometry I\*
- ---4 hrs. Physical Sci. Elective w/Lab 15 hrs.
  
- CS 2013 Programming in C++\*
- MATH 2424 Calculus and Analytic Geometry II \* <
- ---3 hrs. Humanities Elective
- ---3 hrs. Humanities Elective
- ---3 hrs. Elective 16 hrs.
  
- Life Science Elective w/Lab
- HIST 1483 American History To 1877 OR  
HIST 1493 American History Since 1877
- MATH 2434 Calculus and Analytic Geometry III \* <
- SPCH 1143 Speech\*
- ---2 hrs. Elective 16 hrs.

**Total Credit Hours** 62 hrs.

\* Please, see chart on second page  
for course equivalencies

### Bachelor of Science—Computer Science

- CMPSC 1133 Computer Programming II
- CMPSC 3233 Linux Tools
- CPSMA 3913 Discrete Mathematics
- CPSMA 3933 Operations Research OR  
CPSMA 4413 Numerical Methods
- ---3 hrs. Elective 15 hrs.
  
- CPSMA 2923 Data Structures & Algorithm Analysis
- CMPSC 2213 Computer Languages OR  
CMPSC 2323 Internet Programming
- CPSMA 3933 Operations Research OR  
CPSMA 4413 Numerical Methods
- ---3 hrs. Upper Level Elective
- ---3 hrs. Upper Level Elective 15 hrs.
  
- CMPSC 3613 Computer Architecture
- CMPSC 3943 Software Design & Development
- CMPSC 3113 Operating Systems
- Choose One: CMPSC 3213, 3543, 4223, OR 4983
- ---4 hrs. Elective 16 hrs.
  
- CMPSC 4213 Data Base Design
- CMPSC 4473 Theory of Programming Languages
- ---3 hrs. Upper Level Elective
- ---3 hrs. Upper Level Elective
- ---4 hrs. Elective 16 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
CS 2013 Programming in C++	CMPS 1113 Computer Programming I

## NOTES:

- ⇒ < Will transfer as course content but not for upper level credit: Student should meet with an ECU advisor for more information.
- ⇒ Articulated using SSC's A.S. for Life Science and without a Minor. A Minor is not required.
- ⇒ 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](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 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.