

East Central University/Seminole State College Articulation Agreement

Bachelor of Science: Computer Science

Catalog Year 2017-2018

Associate in Science—Mathematics

- SOC 1101 Freshman Seminar
- ENG 1113 Composition I
- GOV 1113 American National Government
- MATH 1513 Pre-Calculus*
- CAP 1103 Introduction to Microsoft Office
- HPER 1012 Wellness and Human Development 15

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

- CS 2013 Programming in C++*
- MATH 2424 Calculus and Analytic Geometry II*
- Humanities Elective
- Humanities Elective
- 3 Elective 16

- Life Science Elective w/Lab
- HIST 1483 American History Survey To 1877 **OR**
HIST 1493 American History Survey Since 1877
- MATH 2434 Calculus and Analytic Geometry III*
- SPCH 1143 Speech*
- 2 Elective 16

Total Credit Hours 62

* 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 Elective 15

- 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 Upper Level Elective
- 3 Upper Level Elective 15

- CMPSC 3613 Computer Architecture
- CMPSC 3943 Software Design & Development
- CMPSC 3113 Operating Systems
- Choose One: CMPSC 3213, 3543, 4223, **OR** 4983
- 4 Elective 16

- CMPSC 4213 Data Base Design
- CMPSC 4473 Theory of Programming Languages
- 3 Upper Level Elective
- 3 Upper Level Elective
- 4 Elective 16

Total Credit Hours 62



Total Credit Hours Taken: 124
Total Credit Hours Applied to BS Degree: 124

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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++	CMPSC 1113 Computer Programming I
SPCH 11434 Speech	COMM 1113 Fundamentals of Speech

Articulated using SSC's A.S. For Mathematics.

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 *Academics* and scrolling down to *Course Transfer Matrix*.

Articulated with Mathematics as the minor. A minor is required, if another minor is desired please see an advisor for appropriate courses.

**Will transfer as course content but not for upper level credit: Student should meet with an ECU advisor for more information.

NOTES:

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.

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.