Articulation Agreement

BACHELOR OF SCIENCE: COMPUTER SCIENCE

Catalog Year 2021-2022

Seminole State College	East Central University

Associate in Science—Computer Science

- 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   16 hrs.

- CS 1033 Computer Logic & Flowcharting
- ENG 1213 Composition II
- MATH 1613 Plane Trigonometry*
- —4 hrs. Physical Science Elective w/Lab
- —3 hrs. Humanities Elective   16 hrs.

- CS 2013 Programming in C++*
- CS 2033 Script Programming
- MATH 2215 Calculus and Analytic Geometry I*
- SPCH 1143 Speech
- —3 hrs. Humanities Elective   17 hrs.

- CS 2023 Programming in C++ II
- CS 1183 Information Systems
- HIST 1483 American History To 1877 **OR** HIST 1493 American History Since 1877
- —3 hrs. Elective from PSY, SOC, World Lang or Fine Arts
- —4 Life Science Elective w/Lab   16 hrs.

Total Credit Hours   65 hrs.

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

Bachelor of Science—Computer Science

- 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
- Choose Two: CMPSC 3213, 3543, 4223, 4273, 4983 **OR** CPSMA 4373   15 hrs.

- CMPSC 3613 Computer Architecture
- CMPSC 3943 Software Design & Development
- CMPSC 3113 Operating Systems
- Choose One: CMPSC 3213, 3543, 4223, 4273, 4983 **OR** CPSMA 4373
- —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
CS 1033 Computer Logic & Flowcharting	No Evaluation
CS 1183 Information Systems	CMPSC 0000
CS 2013 Programming in C++	CMPSC 1113 Computer Programming I
CS 2023 Programming in C++ II	CMPSC 1133 Computer Programming II
CS 2033 Script Programming	No Evaluation
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

NOTES:

⇒ 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 by clicking on *Admissions* and scrolling down to *Course Transfer Matrix.*

⇒ A student must earn <u>at least 40 semester hours in upper-division</u> 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 <u>at least 60 semester hours</u>, excluding physical activity courses, at a baccalaureate degree granting institution.

⇒ A Student must earn <u>at least 124 credit hours</u> that apply to an ECU Bachelor's degree.