

East Central University/Eastern Oklahoma State College Articulation Agreement

Bachelor of Science: Computer Science

Catalog Year 2017-2018

Associate of Science—Computer Information Systems

- OLS 1111 Orientation and Library Science
- ENGL 1113 Freshman Composition I
- POL SC 1113 American Federal Government
- 4 Life Science Elective
- SPCH 1113 Fundamentals of Speech **OR**
SPCH 2233 Business & Professional Speaking*

MATH 1513 College Algebra* 17

- ENGL 1213 Freshman Composition II
- 4 Physical Science Elective
- HIST 1483 American History to 1877 **OR**
HIST 1493 American History since 1877
- MATH 1613 Trigonometry*
- CIS 1223 Computer Logic and Algorithms 16

- MATH 2235 Calculus I*
- CIS 2113 Programming in COBOL
- CIS 1113 Computer Applications
- 3 Humanities (VI A)
- CIS 2223 Programming in C++ * 17

- MATH 2013 Introduction to Discrete Mathematics*
- 3 Humanities (VI B)
- CIS 1233 Intro to UNIX
- 3 Social Science Elective (PSY 1113, SOC 1113, ECON 2113 **OR** 2123)
- CIS 2323 Programming in JAVA
- 3 General Education Elective 18

Total Credit Hours 68

* please see chart on second page
for course equivalencies



Bachelor of Science—Computer Science

- MATH 3025 Calculus & Analytical Geometry II
- CPSMA 3933 Operations Research
- 4 Elective
- 3 Upper Level CMPSC Elective 15

- CMPSC 3233 Linux Tools
- CPSMA 4413 Numerical Methods
- 3 Math Elective
- 3 Elective
- 3 Upper Level CMPSC Elective 15

- CPSMA 2923 Data Structure & Algorithm Analysis
- CMPSC 3613 Computer Architecture
- CMPSC 2213 Computer Languages **OR**
CMPSC 2323 Internet Programming **OR** CMPSC 3313
Advanced Computer Language
- CMPSC 3213 Org of Programming Languages
- 3 Elective 15

- CMPSC 3113 Operating Systems
- CMPSC 3943 Software Design & Development
- CMPSC 4213 Data Base Design
- CMPSC 4473 Theory of Programming Languages
- 3 Elective 15

Total Credit Hours 60



Total Credit Hours Required for BS Degree: 128

Total Credit Hours Applies to BS Degree: 124

East Central University/Eastern Oklahoma State College Articulation Agreement

Bachelor of Science: Computer Science

Course Equivalency Table

Eastern Oklahoma State College	East Central University
CIS 2323 Programming in Java	CMPSC 11a3 Computer Programming I
CIS 2223 Programming in C++	CMPSC 1133 Computer Programing II
MATH 1513 College Algebra	MATH 1513 College Algebra
MATH 1613 Trigonometry	MATH 1713 Trigonometry
MATH 2235 Calculus I	MATH 2825 Calculus & Analytic Geometry I
MATH 2013 Introduction to Discrete Mathematics**	CPSMA 3913 Discrete Mathematics
SPCH 2233 Business & Professional Speaking	COMM 2253 Communication in the Workplace
SPCH 1113 Fundamentals of Speech	COMM 1113 Fundamentals of Human Communication

Articulated using EOSC's A.S. in Computer Information Systems.
 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 a minor in Mathematics. A minor is required, if a different minor is desired, please see your advisors for suggested 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 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.

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.