

East Central University/Eastern Oklahoma State College Articulation Agreement

Bachelor of Science: Computer Science

Catalog Year 2014-2015

Associate of Arts—Computer Information Systems

<input type="checkbox"/> OLS 1111 Orientation and Library Science	
<input type="checkbox"/> ENGL 1113 Freshman Composition I	
<input type="checkbox"/> POL SC 1113 American Federal Government	
<input type="checkbox"/> Life Science Elective	
<input type="checkbox"/> SPCH 1113 Fundamentals of Speech OR SPCH 2233 Business & Professional Speaking*	
<input type="checkbox"/> MATH 1513 College Algebra*	17
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<input type="checkbox"/> ENGL 1213 Freshman Composition II	
<input type="checkbox"/> Physical Science Elective	
<input type="checkbox"/> HIST 1483 American History to 1877 OR HIST 1493 American History since 1877	
<input type="checkbox"/> MATH 1613 Trigonometry*	
<input type="checkbox"/> CIS 1223 Computer Logic and Algorithms	15
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<input type="checkbox"/> MATH 2235 Calculus I*	
<input type="checkbox"/> CIS 2113 Programming in COBOL	
<input type="checkbox"/> CIS 1113 Computer Applications	
<input type="checkbox"/> —3 Humanities (VI A)	
<input type="checkbox"/> CIS 2223 Programming in C++	14
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<input type="checkbox"/> MATH 2013 Introduction to Discrete Mathematics*	
<input type="checkbox"/> —3 Humanities (VI B)	
<input type="checkbox"/> CIS 1233 Intro to UNIX	
<input type="checkbox"/> —3 Social Science Elective (PSY 1113, SOC 1113, ECON 2113 OR 2123)	
<input type="checkbox"/> CIS 2323 Programming in JAVA	
<input type="checkbox"/> —3 General Education Elective	15
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Total Credit Hours	65

* please see chart on second page
for course equivalencies



Bachelor of Science—Computer Science

<input type="checkbox"/> CMPSC 1113 Computer Programming I	
<input type="checkbox"/> MATH 3025 Calculus & Analytical Geometry II	
<input type="checkbox"/> CPSMA 3933 Operations Research	
<input type="checkbox"/> —4 Elective	15
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<input type="checkbox"/> CMPSC 1133 Computer Programming II	
<input type="checkbox"/> CMPSC 3233 Linux Tools	
<input type="checkbox"/> CPSMA 4413 Methods	
<input type="checkbox"/> —3 Math Elective	
<input type="checkbox"/> —3 Elective	15
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<input type="checkbox"/> CPSMA 2923 Data Structure & Algorithm Analysis	
<input type="checkbox"/> CMPSC 3613 Computer Architecture	
<input type="checkbox"/> CMPSC 2213 Computer Languages OR CMPSC 2323 Internet Programming	
<input type="checkbox"/> CMPSC 3213 Org of Programming Languages	
<input type="checkbox"/> —3 Elective	15
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<input type="checkbox"/> CMPSC 3113 Operating Systems	
<input type="checkbox"/> CMPSC 3943 Software Design & Development	
<input type="checkbox"/> CMPSC 4213 Data Base Design	
<input type="checkbox"/> CMPSC 4473 Theory of Programming Languages	
<input type="checkbox"/> —3 Elective	15
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Total Credit Hours	60



Total Credit Hours Required for BS Degree: 125
Total Credit Hours Applies to BS Degree: 124

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Course Equivalency Table

Eastern Oklahoma State College	East Central University
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*

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.

SERVICE LEARNING GRADUATION REQUIREMENT

Effective Fall 2007, first-time transfer students starting at East Central University, who have completed **less than 64 hours**, will be required to do at least 30 hours of service learning by completing at least **two** service learning designated classes prior to their graduation. Those students transferring to ECU who have completed **64 or more hours** will be required to do only 15 hours of service learning by completing at least **one** service learning designated course.