

**Transfer  
with  
Ease**

# Articulation Agreement

**BACHELOR OF SCIENCE: COMPUTER SCIENCE**

**Catalog Year 2019–2020**

**Eastern Oklahoma State College**

**East Central University**

**Associate of Science—Computer Information Systems**

- ENGL 1113 Freshman Composition I
- MATH 1513 College Algebra\*
- OLS 1111 Orientation and Library Science
- POL SC 1113 American Federal Government
- SPCH 1113 Fundamentals of Speech **OR** SPCH 2233 Business & Professional Speaking\*
- ~4 hrs. Life Science Elective **17 hrs.**
  
- CIS 1223 Computer Logic and Algorithms
- ENGL 1213 Freshman Composition II
- HIST 1483 American History to 1877 **OR** HIST 1493 American History since 1877
- MATH 1613 Trigonometry\*
- ~4 hrs. Physical Science Elective **16 hrs.**
  
- CIS 2113 Programming in COBOL
- CIS 1113 Computer Applications
- CIS 2223 Programming in C++\*
- MATH 2235 Calculus I\*
- —3 hrs. Humanities (VI A) **17 hrs.**
  
- CIS 1233 Intro to UNIX
- CIS 2323 Programming in JAVA
- MATH 2013 Introduction to Discrete Mathematics\*
- —3 hrs. Social Science Elective (PSY 1113, SOC 1113, ECON 2113 **OR** 2123)
- —3 hrs. Humanities (VI B)
- —3 hrs. General Education Elective **18 hrs.**
  
- Total Credit Hours 68 hrs.**

**Bachelor of Science—Computer Science**

- MATH 3025 Calculus & Analytical Geometry II
- CPSMA 3933 Operations Research
- ~3 hrs. Upper Level CMPSC Elective
- —4 hrs. Elective **15 hrs.**
  
- CMPSC 3233 Linux Tools
- CPSMA 4413 Numerical Methods
- ~3 hrs. Upper Level CMPSC Elective
- —3 hrs. Math Elective
- —3 hrs. Elective **15 hrs.**
  
- CMPSC 2213 Computer Languages **OR** CMPSC 2323 Internet Programming **OR** CMPSC 3313 Advanced Computer Language
- CPSMA 2923 Data Structure & Algorithm Analysis
- CMPSC 3213 Org of Programming Languages
- CMPSC 3613 Computer Architecture
- —3 hrs. Elective **15 hrs.**
  
- CMPSC 3113 Operating Systems
- CMPSC 3943 Software Design & Development
- CMPSC 4213 Data Base Design
- CMPSC 4473 Theory of Programming Languages
- —3 hrs. Elective **15 hrs.**
  
- Total Credit Hours 60 hrs.**

\*Please see chart on second page for course equivalencies



**YOUR FUTURE - YOUR CHOICE**



# Course Equivalency Table

Eastern Oklahoma State College	East Central University
CIS 2323 Programming in Java	CMPSC 1113 Computer Programming I
CIS 2233 Advanced C++ Programming	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 2315 Calculus II w/ Analytic Geometry	MATH 3025 Calculus & Analytic Geometry II
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

## NOTES:.

- ⇒ \*\*Will transfer as course content but not for upper level credit: Student should meet with an ECU advisor for more information.
- ⇒ 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](http://www.ecok.edu) by clicking on *Academics* and scrolling down to *Course Transfer Matrix*.
- ⇒ 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.
- ⇒ A Student must earn at least 124 credit hours that apply to an ECU Bachelor's degree.
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