Articulation Agreement

Eastern Oklahoma State College	East Central University

Associate of Science—Computer Information Systems

- CIS 1223 Logic & Algorithms
- CIS 2223 Programming in C++
- ENGL 1113 Freshman Composition I
- MATH 1513 College Algebra*
- OLS 1111 Orientation and Library Science
- POL SC 1113 American Federal Government   **16 hrs.**

- CIS 1113 Computer Applications
- CIS 2233 Advanced Programming in C++ * ^
- ENGL 1213 Freshman Composition II
- HIST 1483 American History to 1877 OR HIST 1493 American History since 1877
- MATH 1613 Trigonometry*
- ⸺2 hrs. General Elective   17 hrs.

- CIS 1233 Intro to UNIX *
- MATH 2235 Calculus I*
- SPCH 1113 Speech
- ⸺3-4 hrs. Life of Physical Science
- ⸺3 hrs. Humanities (VI A)   17-18 hrs.

- CIS 2323 Programming in JAVA*
- CIS 1313 Network Essentials * OR BUSAD 2113 Business Statistics
- ⸺3 hrs. Social Science Elective (PSY 1113, SOC 1113)
- ⸺3-4 hrs. Life of Physical Science
- ⸺3 hrs. Humanities (VI B)   15-16 hrs.

Total Credit Hours   67-68 hrs.

*Please see chart on second page for course equivalencies

Bachelor of Science—Computer Science

- CPSMA 2923 Data Structure & Algorithm Analysis
- CPSMA 3933 Operations Research
- ⸺6 hrs. Upper Level CMPSC or CPSMA Elective
- ⸺4 hrs. Elective   **16 hrs.**

- CMPSC 3233 Linux Tools
- CPSMA 3913 Discrete Mathematics
- CPSMA 4413 Numerical Methods
- ⸺3 hrs. Upper Level CMPSC Elective
- ⸺3 hrs. Elective   **15 hrs.**

- CMPSC 3213 Org of Programming Languages
- CMPSC 3613 Computer Architecture
- Choose one CMPSC 2213, CMPSC 2323, CMPSC 3313, CMPSC 4273 **OR** CPSMA 4373
- ⸺3 hrs. Upper Level CMPSC or CPSMA Elective
- ⸺3 hrs. Elective   **15 hrs.**

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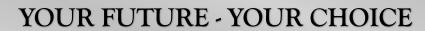- CMPSC 4473 Theory of Programming Languages
- ⸺3 hrs. Elective   **15 hrs.**

Total Credit Hours   61 hrs.

Course Equivalency Table

Eastern Oklahoma State College	East Central University
CIS 1223Logic and Algorithms ^	CMPSC 0000
CIS 1233 Intro to UNIX ^	CMPSC 0000
CIS 2223 Programming in C++^	CMPSC 0000
CIS 2323 Programming in Java ^	MIS 0000
CIS 2233 Advanced C++ Programming^	CMPSC 0000
MATH 1513 College Algebra	MATH 1513 College Algebra
MATH 1613 Trigonometry	MATH 1713 Trigonometry
MATH 2235 Calculus I	MATH 2825 Calculus & Analytic Geometry I
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.

⇒ ^ The course below will be substituted for required courses for the Computer Science degree.

- CIS 1223 Logic and Algorithms and CIS 1233 Intro to UNIX will count toward elective credit.
- CIS 2223 Programming in C++ or CIS 2323 Programming in Java count as CMPSC 1113 Computer Programming I.
- CIS 2233 Advanced C++ Programming count as CMPSC 1133 Computer Programming II at ECU.

⇒ 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.*

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