

**Transfer
with
Ease**

Articulation Agreement

BACHELOR OF SCIENCE: COMPUTER SCIENCE

Catalog Year 2019 - 2020

Murray State College

East Central University

Associate of Science—Computer Science

- COL 1211 Academic Success
- ENG 1113 English Comp I
- HST 1483 U.S. History to 1877 **OR**
HST 1493 U.S. History since 1877
- MTH 1513 College Algebra*
- CS 1613 Programming I
- ~3 hrs. HUM Elective 16 hrs.

- ENG 1213 English Comp II
- MTH 1613 Plane Trigonometry*
- PHS 1114 General Physical Science
- GVT 1113 American Federal Government
- CS 1623 Programming II 16 hrs.

- MTH 2215 Calculus w/Analytic Geometry*
- BC 2113 Business Communications * <
- BIO 1114 General Biological Science
- —3 hrs. Program Elective 15 hrs.

- HWP 1112 Personal Health or NUT 1553 - Nutrition
- ECO 2113 Principles of Macroeconomics
- ~3 hrs. Program Elective
- ~3 hrs. Program Elective
- ~3 hrs. Hum Elective 14-15 hrs.

Total Credit Hours 61-62 hrs.

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

Bachelor of Science—Computer Science

- —3 hrs. MATH Elective
- —3 hrs. Upper Level Elective
- —3 hrs. Upper Level Elective
- —4 hrs. Upper Level Elective
- ~3 hrs. CMPSC Elective 16 hrs.

- CPSMA 2923 Data Structure & Algorithm Analysis
- CPSMA 3913 Discrete Mathematics
- —3 hrs. Required Elective (CPSMA 3933, 4413 or department approved course)
- —3 hrs. Computer Science Elective (CMPSC 2213, 2323 or 3313)
- —3 hrs. Upper Level Elective 15 hrs.

- CMPSC 3613 Computer Architecture
- —3 hrs. Computer Science Elective (CMPSC 3213, 3233, 3543, 4223 or 4983)
- —3 hrs. Computer Science Elective (CMPSC 3213, 3233, 3543, 4223 or 4983)
- —3 hrs. Required Elective (CPSMA 3933, 4413 or department approved course)
- ~3 hrs. Upper Level Elective 15 hrs.

- CMPSC 4473 Theory of Programming Languages
- CMPSC 4213 Data Base Design
- CMPSC 3113 Operating Systems
- CMPSC 3943 Software Design & Development
- —4 hrs. Upper Level Elective 16 hrs.

Total Credit Hours 62 hrs.



YOUR FUTURE - YOUR CHOICE



Course Equivalency Table

Murray State College	East Central University
BC 2113 Business Communications <	BUCOM 3133 Business Comm. & Report Writing
CS 1613 Programing I	CMPSOC 1113 Programming I
CS 1623 Programming II	CMPSOC 2213 Computer Programming II
CS 2163 C++ Programming ¥	CMPSOC 2213 Computer Languages
CS 2263 C# Programming ¥	CMPSOC 2213 Computer Languages
MTH 1513 College Algebra	MATH 1513 College Algebra
MTH 1613 Plane Trigonometry	MATH 1713 Trigonometry
MTH 2215 Calculus w/Analytic Geometry	MATH 2825 Calculus & Analytic Geometry I

NOTES:

- ⇒ < Will transfer as course content but not for upper level credit: Student should meet with an ECU advisor for more information.
- ⇒ ¥ Only one MSC course can be credited for the CMPSOC 2213 Computer Languages
- ⇒ Articulated using MSC's A.S. for Business and without a Minor. A Minor is not required.
- ⇒ A student transferring with an Associate degree in Arts or Science from MSC 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 at least 40 semester hours in upper-division courses (numbered 3000 or higher). A course taught at MSC 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.