

**Transfer  
with  
Ease**

# Articulation Agreement

## BACHELOR OF SCIENCE: CARTOGRAPHY

### Geotechniques

Catalog Year 2022–2023

#### Oklahoma City Community College

#### East Central University

##### Associate in Science—Biology

- BIO 1124 General Biology I (Majors)
- ENGL 1113 English Composition I
- HIST 1483 U.S. History to 1877 OR HIST 1493 U.S. History 1877 to Present
- MATH 1483 Functions and Modeling\*
- SCL 1001 Success in College and Life 14 hrs.
  
- BIO 1134 General Biology II (Majors)
- CHEM 1115 General Chemistry I\*
- ENGL 1213 English Composition II
- POLSC 1113 American Federal Government 15 hrs.
  
- BIOL 2215 General Zoology\* (Support)
- CHEM 1215 General Chemistry II\*
- GEOG 2603 World Regional Geography (Gen. Ed. Humanities)
- PHYS 1114 College Physics I\* 17 hrs.
  
- BIO 2114 General Botany\*
- CS 1103 Intro to Computers & Applications (Support)
- PHYS 1214 College Physics II\*
- PSY 1113 General Psychology OR SOC 1113 Introduction to Sociology
- —3 hrs. Gen. Ed. Humanities Elective 17 hrs.
  
- Total Credit Hours 63 hrs.**

\* Please see chart on second page for course equivalencies

##### Bachelor of Arts—Cartography

- CARTO 2253 Elements of Cartography
- CARTO 3953 Intro to Geographic Info Systems
- CMPSC 1113 Computer Programming
- GEOG 1113 Elements of Human Geography
- GEOG 1214 Earth Science 16 hrs.
  
- CARTO 2713 Elements of Data Collection and Field Studies
- CARTO 3613 Advanced Cartography
- CARTO 4953 Advanced Geographic Info Systems
- —3 hrs. Required CARTO/GEO/GESOC Elective
- —4 hrs. Upper Level Elective 16 hrs.
  
- Summer Semester - Recommended**
- CARTO 4943 Internship 3 hrs.
  
- CARTO 3753 Aerial Photography & Remote Sensing
- ENG 3183 Technical & Professional Writing OR ENG 3193 Persuasive Writing & Logic
- GECAR 3233 Geospatial Research Design & Analysis
- —3 hrs. Required CARTO/GEO/GESOC Upper Level Elective (If Internship Not Taken)
- Choose one: BSEC2603, EHS 3703, Math 1223. SOC 3833 15 hrs.
  
- CARTO 4753 Advanced Remote Sensing
- GECAR 4653 Senior Project
- —3 hrs. Upper-Level Elective
- —3 hrs. Elective
- —3 hrs. Elective 15 hrs.
  
- Total Credit Hours 65 hrs.**

Students are encouraged to check 4 year degree plan for course sequences and offerings.



**YOUR FUTURE - YOUR CHOICE**



# Course Equivalency Table

Oklahoma City Community College	East Central University
BIO 2114 General Botany	BIOL 1214 General Botany
BIO 2215 General Zoology	BIOL 1314 General Zoology
CHEM 1115 General Chemistry I	CHEM 1114 General Chemistry I
CHEM 1215 General Chemistry II	CHEM 1214 General Chemistry II
GGEOG 2603 World Regional Geography	GEOG 2513 World Regional Geography
MATH 1483 Functions and Modeling	MATH 1613 Functions and Modeling
PHYS 1114 College Physics I	PHYS 1114 General Physics I
PHYS 1214 College Physics II	PHYS 1214 General Physics II

## NOTES:

- ⇒ Articulated using OCCC's A.S. in Biology.
- ⇒ 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 OCCC 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 OCCC 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.