

**Transfer  
with  
Ease**

# Articulation Agreement

## BACHELOR OF SCIENCE: CARTOGRAPHY

### Geotechniques

Catalog Year 2020–2021

#### Oklahoma City Community College

#### East Central University

**Associate in Applied Science  
Computer-Aided Technology  
Geographic Information  
Systems**

- SCL 1001 Success in College and Life
- CAT 1313 Intro to Geographic Info System (GIS)
- CS 1103 Intro to Computers and Applications
- ENGL 1113 English Composition I
- MATH 1483 Functions and Modeling\*
- —3 hrs. GIS Support Elective 16 hrs.
  
- CAT 1323 Introduction to Spatial Technology
- CS 1333 Database Management Applications
- MATH 1613 Trigonometry
- GEOG 2603 World Regional Geography
- ENGL 1213 English Composition II 15 hrs.
  
- CAT 1214 Computer Aided Design (CAD)
- CAT 2313 Introduction to Spatial Analysis
- HIST 1483 U.S. History to 1877 OR HIST 1493 U.S. History 1877 to Present
- —6 hrs. GIS Support Elective 16 hrs.
  
- CAT 2924 Design Project
- CS 1143 Beginning Programming
- POLSC 1113 American Federal Government
- —3 hrs. GIS Supportive Elective 13 hrs.

**Total Credit Hours** 60 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: BSEC 2603, 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
CAT 1214 Computer Aided Design (CAD)	NODEPT 0000
CAT 1313 Intro to Geographic Information System**	CARTO 3953 Introductions to Geographic Info
CAT 1323 Introduction to Spatial Technology	CARTO 0000
CAT 2313 Introduction to Spatial Analysis	No Evaluation
CAT 2924 Design Project	No Evaluation
CS 1103 Intro to Computers and Applications	CMPS 1513 Computer Literacy
CS 1143 Beginning Programming	CMPS 0000
CS 1333 Database Management Applications	NODEPT 0000
GEOG 2603 World Regional Geography	GEOG 2513 World Regional Geography
MATH 1483 Functions and Modeling	MATH 1614 College Algebra W/ Business Applications
MATH 1613 Trigonometry	MATH 1713 Trigonometry

## NOTES:

- ⇒ Articulated using OCCC's A.A.S. in Computer-Aided Technology–Geographic Information Systems.
- ⇒ \*\*Will transfer as course content but not for upper level credit: Student should meet with an ECU advisor for more information.
- ⇒ 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.