

East Central University/Murray State College *Articulation Agreement*

Bachelor of Science: Cartography

Geotechniques Concentration Catalog Year 2017-2018

Associate of Science—General Studies

<input type="checkbox"/> COL 1211 Academic Success	
<input type="checkbox"/> ENG 1113 English Comp I	
<input type="checkbox"/> HST 1483 U.S. History to 1877 OR HST 1493 U.S. History since 1877	
<input type="checkbox"/> CIS 1113 Computer Applications	
<input type="checkbox"/> ----3 Arts Elective	
<input type="checkbox"/> ----3 Humanities Elective	16
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<input type="checkbox"/> ENG 1213 English Comp II	
<input type="checkbox"/> GEO 1113 or GEO 2443 Human and Cultural Geography*	
<input type="checkbox"/> MTH 1513 College Algebra*	
<input type="checkbox"/> SCI 2224 Earth, Space, & Environmental Science*	
<input type="checkbox"/> ---3 Humanities Elective	16
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<input type="checkbox"/> GEOG 2513 World Regional Geography*	
<input type="checkbox"/> ---4 Science w/ Lab Elective	
<input type="checkbox"/> ---3 Liberal Arts Elective	
<input type="checkbox"/> ---3 Statistics Course*	
<input type="checkbox"/> ---3 Program Elective	16
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<input type="checkbox"/> GEO 1223 Economic Geography*	
<input type="checkbox"/> GVT 1113 American Federal Government	
<input type="checkbox"/> HWP 1112 Personal Health	
<input type="checkbox"/> ---3 Program Elective	
<input type="checkbox"/> ---3 Program Elective	
<input type="checkbox"/> ---1 Program Elective	15
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Total Credit Hours	63

Certain courses can be applied to an ECU minor, please see a MSC advisor for assistance.

* please see chart on second page for required major course equivalencies



Bachelor of Science—Cartography

<input type="checkbox"/> CARTO 2253 Elements of Cartography	
<input type="checkbox"/> CARTO 3953 Intro to Geographic Info Systems	
<input type="checkbox"/> CMPSC 1113 Computer Programming	
<input type="checkbox"/> ---3 Minor or Elective	
<input type="checkbox"/> ---4 Minor or Elective	16
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<input type="checkbox"/> CARTO 2713 Elements Data Collection/Field Studies	
<input type="checkbox"/> CARTO 3613 Advanced Cartography	
<input type="checkbox"/> CARTO 4953 Advanced Geog Info Systems	
<input type="checkbox"/> ---3 Upper Level Minor or Elective	
<input type="checkbox"/> ---3 Minor or Elective	15
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<input type="checkbox"/> CARTO 4943 Internship	0-3
Summer Semester—RECOMMENDED	
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<input type="checkbox"/> CARTO 3753 Aerial Photography and Remote Sensing	
<input type="checkbox"/> GECAR 3233 Geospatial Research Design & Analysis	
<input type="checkbox"/> ENG 3183 Technical & Professional Writing OR ENG 3193 Persuasive Writing and Logic	
<input type="checkbox"/> ---3 Upper Level Minor or Elective	
<input type="checkbox"/> ---3 Minor or Elective	15
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<input type="checkbox"/> GECAR 4653 Senior Capstone Project	
<input type="checkbox"/> CARTO 4753 Advanced Remote Sensing	
<input type="checkbox"/> ---3 Required Upper Level Elective (CARTO/GEO/GESOC) (If Internship Not Taken)	
<input type="checkbox"/> ---3 Upper Level Minor or Elective	
<input type="checkbox"/> ---3 Upper Level Minor or Elective	12-15
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Total Credit Hours	61



Total Credit Hours Taken:	124
Total Credit Hours Applied to BS Degree:	124

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Bachelor of Science: Cartography

Geotechniques Concentration Course Equivalency Table

Murray State College	East Central University
GEO 1113 or GEO 2443 Human and Cultural Geography	GEOG 1113 Elements of Human Geography
GEO 2513 World Regional Geography	GEOG 2513 World Regional Geography
GEO 1223 Economic Geography**	GEOG 3323 Economic Geography
SCI 2224 Earth, Space, & Environmental Science	GEOG 1214 Earth Science
Statistics Course*	Statistics Requirement
MTH 1513 College Algebra	MATH 1513 College Algebra

Articulated using MSC's A.S. in General Studies.

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*.

Students will need to be aware of the 40 hour upper level graduation requirement at ECU.

Articulated without a minor. A minor is required, please see an advisor for appropriate courses.

****Will transfer as course content but not for upper level credit: Student should meet with an ECU advisor for more information.**

NOTES:

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.

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.

SERVICE LEARNING GRADUATION REQUIREMENT

Effective Fall 2007, first-time transfer students starting at East Central University, who have completed **less than 64 hours**, will be required to do at least 30 hours of service learning by completing at least **two** service learning designated classes prior to their graduation. Those students transferring to ECU who have completed **64 or more hours** will be required to do only 15 hours of service learning by completing at least **one** service learning designated course.