

**EAST CENTRAL UNIVERSITY
CARTOGRAPHY - B.S.
GEOTECHNIQUES CONCENTRATION
0480/UG18**

Advisor _____

Student's Name _____ ID No. _____

DEGREE CHECK INCLUDES CURRENT ENROLLMENT

Checked by _____ Date _____
 Required:
 124 total hours _____ completed
 30 hrs @ ECU _____ completed
 (15 of last 30 must be at ECU) _____
 60 hrs @ Sr College _____ completed
 40 hrs upper level _____ completed
 HS Curricular Req ___ met ___ not met

Work in progress _____
 2.0 minimum required in the following
 areas:
 ECU Avg _____ Rtn Avg _____
 Major Overall Avg _____
 Major ECU Avg _____
 Minor Overall Avg _____

Work lacking:
 Major _____ (inc A/C and Related Work)
 Minor _____ (incl Rel Wk)
 Prof Educ _____
 General Educ _____
 Comp Prof ___ met ___ not met

<u>REQUIREMENTS</u>	<u>HOURS</u>
I. General Education (44 HOURS)	
<i>16 hours (CMPSC 1113, GEOG 1113, GEOG 1214, GEOG 2513 and MATH 1513 or MATH 2825) counted in the Major</i>	
Other hours needed	28
II. Major in Cartography	43
A. Required in General Education	10
___ GEOG 1113 Elements of Human Geography	
___ GEOG 1214 Earth Science	
___ GEOG 2513 World Regional Geography	
B. Required in the Cartography Core	12
___ CARTO 2253 Elements of Cartography	
___ CARTO 2713 Elem of Data Collection and Field Stu	
___ GECAR 3233 Geospatial Research Design and Analysis	
___ GECAR 4653 Senior Capstone Projects	
C. Required for Concentration in Geotechniques	15
___ CARTO 3613 Advanced Cartography	
___ CARTO 3753 Aerial Photography and Remote Sensing	
___ CARTO 3953 Intro to Geographic Info Systems	
___ CARTO 4753 Advanced Remote Sensing	
___ CARTO 4953 Advanced Geog Info Systems	
D. Required Electives	6
Courses in CARTO/GECAR/GEO/GESOC, at least 3 hours of which must be upper level	
_____ _____	
III. Related Work	12-14
A. Required General Education	6-8
___ CMPSC 1113 Computer Programming I	
___ MATH 1513 College Algebra OR	
___ MATH 2825 Calculus and Analytic Geometry I	

<u>REQUIREMENTS</u>	<u>HOURS</u>
B. Required Related Work	6
One of the following:	
___ ENG 3183 Technical & Professional Writing	
___ ENG 3193 Persuasive Writing & Logic	
One of the following:	
___ BSEC 2603 Business and Economic Statistics	
___ EHS 3703 Biostatistics	
___ MATH 1223 Intro to Probability & Statistics	
___ PSYCH 3833 Behavioral Science Statistics	
___ SOC 3833 Statistics for Social Sciences	

IV. Minor (Not Required)

V. Electives 39-41

Recommended courses from the following programs: BIOL, CARTO, CMPSC, GEOG, EHS, MATH and MIS. Student must take an adequate number of upper level courses to meet the 40 hour upper level requirement.

VI. Total Hours Required 124

VII. Special Requirements

With departmental approval, students may omit MATH 1513 and begin with MATH 2825.

“Teachers” or “methods” courses do not count in the major.

The OSRHE computer proficiency graduation requirement will be met through completion of CMPSC 1113 (including equated or substituted courses), or testing out of the challenge exam for this course, **OR** successful completion of an associate of arts or associate of science degree at an Oklahoma two-year college in which the computer skills requirement was met. Satisfaction of this requirement may not reduce or remove any program requirements.

MINOR _____
