

**EAST CENTRAL UNIVERSITY
CARTOGRAPHY - B.S.
GEOTECHNIQUES CONCENTRATION
0480/UG16**

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

REQUIREMENTS

HOURS

REQUIREMENTS

HOURS

I. General Education (44 HOURS)

16 hours (CMPSC 1113, GEOG 1113, GEOG 1214, GEOG 2513 and MATH 1513) counted in the Major

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

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 2213 Intro to Probability & Statistics
 - ___ PSYCH 3833 Behavioral Science Statistics
 - ___ SOC 3833 Statistics for Social Sciences

IV. Minor (Not Required)

V. Electives **39-41**

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 _____
