

**EAST CENTRAL UNIVERSITY  
CARTOGRAPHY - B.S.  
GEOTECHNIQUES CONCENTRATION  
0480/UG19**

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**

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**I. General Education (44 HOURS)**

16 hours (CMPSC 1113, GEOG 1113, GEOG 1214,  
 GEOG 2513 and MATH 1513 or MATH 2825)  
 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/GEOG/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 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**

“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.
