

**EAST CENTRAL UNIVERSITY  
CARTOGRAPHY - B.S.  
GEOTECHNIQUES CONCENTRATION  
0480/UG14-UG15**

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 \_\_\_\_\_  
 Minor ECU Avg \_\_\_\_\_

Work lacking:  
 Major \_\_\_\_\_ (inc A/C and Related Work)  
 Minor \_\_\_\_\_ (incl Rel Wk)  
 Prof Educ \_\_\_\_\_  
 General Educ \_\_\_\_\_  
 Comp Prof \_\_\_ met \_\_\_ not met  
 Serv Lrng \_\_\_ met \_\_\_ not met

**REQUIREMENTS      HOURS**

**I. General Education (45 HOURS)**

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

Other hours needed **29**

**II. Major in Geotechniques 43**

**A. Required in General Education 10**

- \_\_\_ GEOG 1113 Elements of Human Geography
- \_\_\_ GEOG 1214 Earth Science
- \_\_\_ GEOG 2513 World Regional Geography

**B. Required for Concentration in Geotechniques 27**

- \_\_\_ CARTO 2253 Elements of Cartography
- \_\_\_ CARTO 2713 Elem of Data Collection and Field Stu
- \_\_\_ 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
- \_\_\_ GECAR 3233 Geospatial Research Design and Analysis
- \_\_\_ GECAR 4653 Senior Capstone Projects

**C. 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

**REQUIREMENTS      HOURS**

**MINOR \_\_\_\_\_**


**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 (Required) 16-21**

Minor should be chosen to compliment the student's career objectives. Neither the geography nor cartography minor may be selected with this major.

**V. Electives 17-24**

**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.

Students beginning at East Central University in the fall 2007 semester or later who have earned less than sixty-four semester hours are required to take two classes with designated service-learning component. Students transferring to ECU for the first time in the fall 2007 semester or later with sixty-four or more semester hours will be required to take one class with a service-learning component.