

EAST CENTRAL UNIVERSITY
 Department of Cartography and Geography
 Major in Cartography: *Geotechniques* Concentration
Four-Year Curriculum Guide

YEAR ONE

FALL SEMESTER			SPRING SEMESTER		
ENG	1113 Freshman Comp I	3	ENG	1213 Freshman Comp II	3
MATH	1513 College Algebra [1]	3	CMPS	1113 Computer Prog I [3]	3
UNIV	1001 Freshman Seminar	1	PS	1113 US Government	3
GEOG	1214 Earth Science	4	GEOG	1113 Human Geography	3
xxxx	xxx3 Communication Gen Ed [2]	3	BIOL	1x14 Biology Gen Ed	<u>4</u>
xxxx	xxxx Wellness Gen Ed	<u>2-3</u>			16
		16-17			

YEAR TWO

FALL SEMESTER			SPRING SEMESTER		
CARTO	2253 Cartography	3	CARTO	2713 Data Collection	3
GEOG	2253 World Regional	3	CARTO	3613 Advanced Cartography	3
xxxx	xxx3 G1 Humanities Gen Ed	3	HIST	24x3 US History Gen Ed	3
xxxx	xxx3 Humanities Gen Ed	3	xxxx	xxxx Minor Courses & Electives	<u>6-7</u>
xxxx	xxxx Minor Course [4]	<u>3-4</u>			15-16
		15-16			

SUMMER SEMESTER

GEOG	3613 Field Studies [5]	3
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YEAR THREE

FALL SEMESTER			SPRING SEMESTER		
CARTO	3953 Intro to GIS	3	CARTO	4953 Advanced GIS	3
CARTO	3753 Air Photo & Remote Sensing	3	CARTO	4753 Advanced Remote Sensing	3
UNIV	3001 General Ed Seminar	1	xxxx	xxx3 Statistics [6]	3
ENG	31x3 Writing [7]	3	xxxx	xxx3 Minor Courses & Electives	<u>6-7</u>
xxxx	xxx3 Minor Courses & Electives	<u>6</u>			15-16
		16			

SUMMER SEMESTER

CARTO	4943 Internship [5]	3
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YEAR FOUR

FALL SEMESTER			SPRING SEMESTER		
GECAR	3233 Research Design	3	GECAR	4653 Senior Project	3
CARTO	xxx3 Upper-Level Elective [8]	3	CARTO	xxx3 Elective [8]	3
xxxx	xxx3 Minor Courses & Electives	<u>4-10</u>	xxxx	xxx3 Minor Courses & Electives	<u>4-10</u>
		10-16			10-16

NOTES:

Courses listed should be taken within the academic year shown. Courses in **bold** should be taken that semester.

Twelve upper division hours must be taken in addition to the required 3000 & 4000-level courses listed above.

[1] Replace with MATH 0214 if remedial study is required.

[2] Take a course from the Speech or Languages Gen Ed listing.

[3] Replace with MATH 1513, if not already taken.

[4] Replace with CMPS 1113, if not already taken.

[5] Recommended course, which may be taken as an upper-level CART/GEOG elective.

[6] BSEC 2603, EHS 3703, MATH 2213, PSYCH 3833 OR SOC 3833

[7] ENG 3183 or ENG 3193

[8] Includes GEOG and GESOC courses. May be substituted for a course in [5], in which case [8] become general elective hours.