

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		CMPSC 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 3616 Advanced Cartography	3	
xxxx xxxx G1 Humanities Gen Ed	3		HIST 24x3 US History Gen Ed	3	
xxxx xxxx Humanities Gen Ed	3		xxxx xxx3 Minor Courses & Electives	<u>6-7</u>	
xxxx xxx3 Minor Course [4]	<u>3-4</u>			15-16	
	15-16				

SUMMER SEMESTER	
GEOG 3613 Field Studies [5]	3

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 Required Related [6]	3	
ENG 3183 Technical Writing	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

YEAR FOUR

FALL SEMESTER			SPRING SEMESTER		
CARTO 3233 Research Design	3		CARTO 4653 Senior Project	3	
CARTO xxx3 Upper-Level Elective [7]	3		CARTO xxx3 Elective [7]	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 CMPSC 1113, if not already taken.

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

[6] MATH 2213 or SOC 3833

[7] Includes GEOG and GESOC courses. May be substituted for a course in [5], in which case [7] become general elective hours.