

Chicago State University

Graduate Certificate in Geographic Information Systems (GC-GIS) Curriculum Map

December 2016

Program Level Student Learning Outcomes	Geog 5800	Geog 5810	Geog 5820	Geog 5830	Geog 5840	Geog 5850
Explain earth-map relationship and distortions on map projections	K	A		A		S
Process analog and digital remote-sensing imagery to prepare imagery for analysis			K		A	S
Analyze analog and digital remote-sensing imagery to extract/create new information			K		A	S
Create spatial databases consisting of raster and/or vector data models for GIS analysis and modeling	K	A		A	A	S
Use analytical capabilities of ArcGIS, ArcGIS Extensions, and ERDAS IMAGINE in spatial analysis and modeling	K	A	A	A	A	S
Design and implement a major/semester-long GIS project to address a significant research question(s)	K	K	K	A	A	S
Design a Web map that allows viewers to display and query the layers on the map	K	K		A		S
Organize information into a coherent written and oral presentation	K	A		A	A	S

K = Knowledge/Comprehension

A = Application/Analysis

S = Synthesis/Evaluation