

**Chicago State University**  
**M.A. in Geography with GIS Concentration Curriculum Map**  
**May 2012**

<b>Program Level Student Learning Outcomes</b>	<b>Geog 5800</b>	<b>Geog 5810</b>	<b>Geog 5820</b>	<b>Geog 5830</b>	<b>Geog 5840</b>	<b>Geog 5841</b>	<b>Geog 5842</b>	<b>Geog 5850</b>	<b>Geog 5860</b>	<b>Geog 5880</b>	<b>Geog 5991/ 5992</b>
<b>Explain earth-map relationship and distortions on map projections</b>	<b>K</b>	<b>A</b>		<b>A</b>		<b>A</b>		<b>S</b>		<b>S</b>	<b>S</b>
<b>Process analog and digital remote-sensing imagery to prepare imagery for analysis</b>			<b>K</b>		<b>A</b>			<b>S</b>			<b>S</b>
<b>Analyze analog and digital remote-sensing imagery to extract/create new information</b>			<b>K</b>		<b>A</b>			<b>S</b>			<b>S</b>
<b>Create spatial databases consisting of raster and/or vector data models for GIS analysis and modeling</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>A</b>	<b>A</b>	<b>S</b>		<b>S</b>			<b>S</b>
<b>Use analytical capabilities of ArcGIS, ArcGIS Extensions, and ERDAS IMAGINE in spatial analysis and modeling</b>	<b>K</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>			<b>S</b>		<b>S</b>	<b>S</b>
<b>Customize ArcGIS and ArcGIS extensions to add specialized functionalities and automate operations</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>A</b>			<b>S</b>				<b>S</b>
<b>Design a Web map that allows viewers to display and query the layers on the map</b>		<b>K</b>		<b>K</b>			<b>A</b>	<b>A</b>			<b>S</b>
<b>Write a master's thesis that integrates remote sensing and GIS to address significant human and/or environmental issues</b>				<b>K</b>	<b>K</b>				<b>A</b>	<b>S</b>	<b>S</b>
<b>Organize information into a coherent written and oral presentation</b>	<b>K</b>	<b>A</b>		<b>A</b>	<b>A</b>			<b>S</b>			<b>S</b>

**K = Knowledge/Comprehension      A = Application/Analysis      S = Synthesis/Evaluation**