

<i>Learning outcome</i>	<i>Gtech 702</i>	<i>Gtech 705</i>	<i>Gtech 708</i>	<i>Gtech 709</i>	<i>Gtech 710</i>	<i>Gtech 712</i>	<i>Gtech 713</i>	<i>Gtech 721</i>	<i>Gtech 722</i>	<i>Gtech 731</i>	<i>Gtech 732</i>	<i>Gtech 733</i>	<i>Gtech 78534</i>	<i>Gtech 78501</i>	<i>Gtech 78502</i>	<i>Gtech 78518</i>	<i>Gtech 78519</i>	<i>GTECH 78520</i>
	<i>Quantitative Methods in Geography</i>	<i>Spatial Data Analysis</i>	<i>Seminar in GeoInformatics</i>	<i>Intro to GIS</i>	<i>Concepts and theories in GeoInformatics</i>	<i>Remote Sensing of the Environment</i>	<i>Image Processing & LiDAR</i>	<i>Intro. Carto Design & GeoVis</i>	<i>Adv. Toics in GeoVis</i>	<i>GeoComputation 1</i>	<i>Adv. GeoInformatics</i>	<i>GeoComputation 2</i>	<i>WebGIS</i>	<i>GIS Urban Applications</i>	<i>GIS Applications: social geography</i>	<i>Environmental Data Science</i>	<i>Geospatial Databases</i>	<i>Data Analysis and Visualization with R</i>
1. Develop a strong conceptual model for a geospatial problem with spatial and systematic thinking.	Approaches	Approaches	Approaches	Approaches	Approaches	Approaches	Reinforces			Reinforces	Masters	Reinforces		Approches	Approaches	Approaches		Reinforces
2. Transform conceptual model to geospatial components and a computational model.	Approaches	Reinforces		Approaches		Approaches	Reinforces			Approaches	Masters	Masters		Reinforces	Reinforces	Reinforces		Reinforces
3. Master geocomputation skills for problem solving		Approaches				Approaches	Reinforces			Masters	Approaches	Masters				Approaches	Reinforces	Masters
4. Design, implement, and utilize a geospatial database environment			Approaches	Approaches							Reinforces					Approaches	Masters	
5. Comprehend remote sensing principles and master image processing skills						Approaches	Masters									Reinforces		
6. Represent and communicate geospatial information and images								Approaches	Reinforces		Reinforces		Masters			Reinforces		Reinforce
7. Manage the ful lifecycle of a geospatial project			Approaches	Approaches	Reinforces						Masters							