

	<i>NUMBER</i>	<i>TITLE</i>	<i>CREDITS</i>	<i>GIS CERT</i>	<i>FALL</i>	<i>WINTER</i>	<i>SPRING</i>	<i>SUMMER</i>
<i>Core Courses</i>	GEOG 588/USP 591: GIS 1: Introduction to GIS		4	Yes	✓	✓	✓	✓
	USP 531*: GIS for Planners		4	Yes		✓	✓	
	G 524*: GIS for the Natural Sciences		4	Yes		✓		
	GEOG 592/USP 592: GIS 2: Applications		4	Yes		✓	✓	
<i>Electives</i>	G 525: Field GIS		4	Yes				✓
	GEOG 575: Digital Compilation and Database Design		4	Yes	✓			
	GEOG 580: Visual Image Analysis		4	Yes				
	GEOG 581: Satellite Digital Image Analysis		4	Yes		✓		
	GEOG 582: Satellite Image Classification and Change Detection		4	Yes			✓	
	GEOG 585: Map Design and Production		4	Yes		✓		
	GEOG 589: Building a GIS Database with GPS		4	Yes			✓	
	GEOG 590: GIS Programming		4	Yes		✓		
	GEOG 593: Digital Terrain Analysis		4	Yes	✓			
	GEOG 594: GIS for Water Resources		4	Yes	✓			
	GEOG 595: Maps, Models, and GIS		4	Yes				✓
	GEOG 597: Spatial Quantitative Analysis		4	Yes		✓		
	USP 543: Geography Applications to Planning		4	Yes	✓			
	USP 593: Advanced GIS Applications		3	Yes				
	<i>Non-certificate courses</i>	GEOG 380: Maps and Geographic Information		5	No	✓	✓	✓
GEOG 4/596: Visualization of Spatial Data			4	No	✓			
GEOG 4/510: Internet Mapping & 3D Visualization			4	No			✓	
GEOG 4/510: Workshop: GIS for Marketing			4	No				✓
GEOG 4/510: GIS Data Collection and Mapping			4	No	✓			
G 4/510: GIS Programming			2	No				✓
G 4/510: Web GIS			2	No	✓			

* USP 531 and G 524 may be substituted for GEOG 588. See the certificate webpage for mor information.

Suggested GIS Course Sequences

