



Geographic Information Systems: Certificate of Competence (Advanced Geographic Information Systems)

FALL (SEMESTER 1)

Course	Course Title/Category	Credits
GIS 189	GIS, Mapping, and Society	3
GIS 200	Interpreting and Creating GIS Maps	3

SPRING (SEMESTER 2)

Course	Course Title/Category	Credits
GIS 205	GIS Database Design and Programming	3
GIS 205L	GIS Database Design and Programming Laboratory	1

FALL (SEMESTER 3)

Course	Course Title/Category	Credits
GIS 213	Advanced Geospatial Techniques	3
GIS 214	Practicum in GIS	3
	Total credits:	16