

Certificate in Geographic Information Science (GEOCT01) 23-24 units

For GIS Certificate Advising:

Undergraduate Students contact Dr. Linna Li (Linna.Li@csulb.edu)

Post Baccalaureate/Graduate Students contact Dr. Suzanne Wechsler: Suzanne.Wechsler@csulb.edu, or Dr. Gary Hytrek: Gary.Hytrek@csulb.edu

Student Name:			ID:
Units	Semester	Certificate Requirements	Waive/Sub
Prerequisite Courses (9 units)			
<i>Take each of the following courses or equivalent</i>			
3		GEOG 200 Intro Research Methods for GEOG (or equivalent)	
3		GEOG 280 Intro Geospatial Techniques (or GEOG 371, 471 or 481)	
3		GEOG 380 Intro to Digital Cartography & Analysis	
Core Courses (3 courses, 12 Units)			
<i>Take each of the following courses</i>			
4		GEOG 400 or 500 Multivariate Geographical Analysis	
4		GEOG 473 Introduction to Earth Observation	
4		GEOG 485 or 585 Principles of GIS	
Specialization Options (3 courses; 11-12 units)			
Remote Sensing			
4		GEOG 475 or 575 Geographic Applications in Remote Sensing	
Cartographic Design			
4		GEOG 482 or 582 Advanced Digital Cartography & GIS	
Advanced Geographic Information Systems			
4		GEOG 484 or 584 Enterprise GIS Development	
4		GEOG 487A or 587A Environmental GIS	
4		GEOG 487B or 587B Urban GIS	
4		GEOG 488 or 588 Geographic Information Science Programming	
Substitutions with Advisor Consent			
3		GEOG 446 Land Use planning	
3		GEOG 492 Internship	
3		GEOG 494 Special Topics	
3		<i>GEOG 402 or 502 Qualitative Research Methods</i>	
3		GEOG 697 Directed Studies	
3		<i>PBACC only: GEOG 680 Seminar in Geospatial Techniques</i>	
TOTAL units (minimum 23 units at 400/500-level)			
Approved By:			Date

Comments: