College of Architecture and Planning
GIS Certificate/Landscape Architecture Track   Landscape Advisor: _____

Certificate Advisor: _____

Student Name: _____   Sem/Yr Entered: _____

GIS CERTIFICATE COURSES					
Introductory GIS Courses: 6 Credits					
LDAR 5540	Introduction to GIS	F or S	3		
GEOG 5081	Cartography and Computer Mapping	F	3		
Advanced GIS Course: 3 credits (or Landscape Architecture equivalent when offered)					
URPL 6260	Advanced Geospatial Methods	S	3		
Remote Sensing: 3 credits (Take **one** of these courses)					
GEOG 5060	Remote Sensing I		3		
GEOG 5070	Remote Sensing II		3		
Specialized Advanced Courses: 6 credits					
LDAR 6840	Independent Study with Landscape Architecture GIS emphasis	F/S/Su	3		
ELECTIVE	From list below	F or S	3		
	TOTAL CERTIFICATE CREDITS		**18**		
* Documentation, advisor and Department Chair approvals must be submitted to Student Services for waived courses					

NOTE: For certificate credit a B- or better is required in all GIS certificate courses

Possible Specialized Advanced Courses:

- ARCH 6290/HIPR 6090 - Three-D Digital Documentation (prereqs Arch 5110, and 5120, or permission of Architecture Chair or Associate Chair)
- GEOG 5090 - Environmental Modeling with GIS
- GEOG 5085 - GIS Applications for the Urban Environment
- GEOG 5230 - Hazard Mitigation and Vulnerability
- GEOG 5095 - Deploying GIS Functionality on the Web
- CVEN 5382 - GIS Spatial Database Development
- CVEN 5385 - GIS Relational Database Systems
- MATH 4027/5027 - Applied Spatial Statisics - (prereq. Intro. to Statistics, plus instructor consent)
- CVEN 5800 - Geomatics for GIS
- LDAR 6686 – Advanced Topics in GIS
- Any course from the Remote Sensing list (above) not already used to fulfill that requirement
- Other relevant courses by permission