

# INTEGRATIVE DESIGN OF BUILT AND NATURAL ENVIRONMENTS, CERTIFICATE

## REQUIREMENTS

### REQUIREMENTS FOR THE CERTIFICATE

Students are required to a minimum of 14 credits to include one introductory course, one methods and applications course, and elective courses.

Code	Title	Credits
<b>Introductory Course (complete one)</b>		<b>2-4</b>
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	
GEOG/ CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	
<b>Methods and Applications</b>		<b>3</b>
LAND ARC 511	Geodesign Methods and Applications	
<b>Elective Courses</b>		<b>7-9</b>
<i>Stakeholder Engagement</i>		
LSC/ AMER IND 444	Native American Environmental Issues and the Media	
LSC 561	Writing Science for the Public	
LSC 625	Risk Communication	
LSC 250	Research Methods in the Communication Industry	
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	
<i>Environmental Justice and Policy</i>		
LAND ARC 363	Earth Partnership: Restoration Education for Equity and Resilience	
AMER IND/ ENVIR ST 306	Indigenous Peoples and the Environment	
AMER IND/ ENVIR ST/ GEOG 345	Caring for Nature in Native North America	
CHICLA/ LEGAL ST/ SOC 440	Ethnicity, Race, and Justice	
CHICLA/ LAND ARC 475	Latino Urbanism: Design and Engagement in the American City	
ENVIR ST 308	Outdoors For All: Inequities in Environmentalism	

GEOG/ URB R PL 305	Introduction to the City
GEOG/ ENVIR ST 439	US Environmental Policy and Regulation
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature
GEOG/ENVIR ST/ LAND ARC/ URB R PL 532	Applications of Geographic Information Systems in Planning
GEOG/ ENVIR ST 537	Culture and Environment
SOC/ C&E SOC 140	Introduction to Community and Environmental Sociology
URB R PL 512	Gentrification and Urban Restructuring
<i>Environmental Conservation &amp; Management</i>	
LAND ARC 668	Restoration Ecology
LAND ARC/ ENVIR ST/ SOIL SCI 695	Applications of Geographic Information Systems in Natural Resources
A A E/ F&W ECOL 652	Decision Methods for Natural Resource Managers
BOTANY/ ENVIR ST/ F&W ECOL/ ZOOLOGY 651	Conservation Biology
C&E SOC/ F&W ECOL/ SOC 248	Environment, Natural Resources, and Society
C&E SOC/ ENVIR ST/ GEOG 434	People, Wildlife and Landscapes
ENVIR ST/ GEOG 339	Environmental Conservation
ENVIR ST 413	Preserving Nature
GEOG/ ENVIR ST 333	Green Urbanism
GEOG/ ENVIR ST 337	Nature, Power and Society
GEOG/ AMER IND 410	Critical Indigenous Ecological Knowledges
GEOG/ENVIR ST/ HISTORY 469	The Making of the American Landscape
GEOG 538	The Humid Tropics: Ecology, Subsistence, and Development

#### Total Credits

14

### PASS/FAIL COURSES

Courses taken on a pass/fail basis will not count toward the certificate.

### RESIDENCE AND QUALITY OF WORK

- At least 8 certificate credits must be completed in residence
- Minimum 3.000 GPA on all certificate courses

## **CERTIFICATE COMPLETION REQUIREMENT**

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.