

INTEGRATIVE DESIGN OF BUILT AND NATURAL ENVIRONMENTS, CERTIFICATE

REQUIREMENTS

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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
Introductory Course (complete one)		2-4
LAND ARC 311	Introduction to Design Frameworks and Spatial Technologies	
GEOG/ CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	
Methods and Applications		3
LAND ARC 511	Geodesign Methods and Applications	
Elective Courses		7-9
<i>Stakeholder Engagement</i>		
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 & 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 430	Decision Methods for Natural Resource Managers
BOTANY/ ENVIR ST/ F&W ECOL/ ZOOLOGY 516	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/ART HIST/ ENVIR ST/ HISTORY/ LAND ARC 239	Making 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.