

Certificate

Spatial Analysis of Coastal Environments Certificate

The Certificate in Spatial Analysis of Coastal Environments provides an interdisciplinary program for students wishing to pursue careers in coastal management or research, remote sensing, or applications of geographic information systems (GIS). Rendered upon completion of the requirements, the certificate is an academic affidavit comprised of courses in geography, biology, and ocean and earth, and is administered by the Department of Ocean and Earth Sciences and the Department of Political Science and Geography. Students must take courses in the areas listed below and complete them with a cumulative GPA of 3.00 or higher and no grade below a C (2.00). The certificate is available to postgraduate professionals who meet the requirements. Students with comparable professional experience may be able to show competence in selected courses through examination.

Curriculum Requirements

Core Courses (Both courses are required)

GEOG 502	Geographic Information Systems	3
GEOG 504	Digital Techniques for Remote Sensing	3

Interpretive Analysis Courses

Select two of the following:		6
BIOL 504	Conservation Biology and Sustainable Development	
GEOG 520	Marine Geography	
GEOG 522	Coastal Geography	
GEOG 590	Applied Cartography/GIS	
GEOG 595	Topics in Geography	
OEAS 551	Data Collection and Analysis in Oceanography	

Capstone Seminar

GEOG 519	Spatial Analysis of Coastal Environments	3
or OEAS 519	Spatial Analysis of Coastal Environments	

Total Credit Hours		15
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