

## Certificate

# Spatial Analysis of Coastal Environments Certificate

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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 geographic information system (GIS) applications. Rendered upon completion of the requirements, the certificate is an academic affidavit comprised of courses in geography and ocean, earth, and atmospheric sciences, and is administered by the two departments. 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. For information regarding the undergraduate certificate in Spatial Analysis of Coastal Environments, please consult the Undergraduate Catalog.

## Curriculum Requirements

Students must take 15 credit hours in the areas listed below and complete them with a cumulative GPA of 3.00 or higher and no grade below a B (3.00).

### Core courses

GEOG 504	Digital Techniques for Remote Sensing	3
GEOG 562	Advanced Spatial Analysis	3

### Interpretive Analysis Courses

Select two of the following: 6

GEOG 522	Coastal Geography	
GEOG 520	Marine Geography	
BIOL 504	Conservation Biology and Sustainable Development	
GEOG 590	Applied Cartography/GIS *	
OEAS 595	Special Topics *	
GEOG 595	Topics in Geography *	

### Capstone Seminar

GEOG/OEAS 519	Spatial Analysis of Coastal Environments	3
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**Total Credit Hours** 15

\* Advanced approval required to count toward the certificate.