

# GEOSPATIAL SCIENCE (GRADUATE CERTIFICATE)

<https://gradschool.unh.edu/program/graduate-certificate/geospatial-science>

## Description

The Graduate Certificate in Geospatial Science (GSS) at the University of New Hampshire is a multidisciplinary program designed to provide graduate level education in the applied and theoretical technology and applications of geospatial science. Students within the program are afforded the opportunity to build their five course requirement certificate from a variety of required and elective classes from different disciplines to best fit their academic, research, or professional interests. The flexibility of this program makes the program ideal for a student looking to complement their degree or a professional looking to build knowledge, skill and credentials within the Geospatial Sciences.

## Requirements

### Certificate Requirements

The certificate consists of completing five courses (16 credits).

Code	Title	Credits
<b>Required Courses</b>		
GSS 800	Elements of Geospatial Science	4
<i>Geographic Information Systems</i>		
Select one course from the following:		
GSS 805	Applied Geographic Information Systems	4
ESCI 895	Topics	4
NR 860	Geographic Information Systems in Natural Resources <sup>1</sup>	4
CEE 896	Special Topics (GIS for Water Resources)	4
<i>Data Analysis</i>		
Select one course from the following:		
BIOL 811	Experimental Design & Analysis	4
ESCI 896	Topics (Time Series Analysis)	1-4
MATH 836	Advanced Statistical Modeling	3
MATH 839	Applied Regression Analysis	3
SOC 901	Sociological Methods I: Intermediate Social Statistics	4
<b>Electives</b>		
Select two courses from the following:		
MATH 831	Mathematics for Geodesy	3
NR 857	Remote Sensing of the Environment	4
NR 859	Digital Image Processing for Natural Resources	4
NR 882	Forest Health	4
OE/ESCI 871	Positioning for Ocean Mapping	4