

# GEOSPATIAL ANALYSIS MINOR

<https://colsa.unh.edu/natural-resources-environment/program/minor/geospatial-analysis>

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|----------------------|--|
| NR 749               | Forest Inventory and Modeling                    |
| NR 782               | Forest Health in a Changing World                |
| EREC #760            | Ecological-Economic Modeling for Decision Making |
| <hr/>                |  |
| <b>Total Credits</b> | <b>20</b>  |

## Description

The geospatial analysis minor is designed for students who wish to have more learning and experience using the tools of geospatial analysis such as statistics, aerial photography, satellite imagery, and geographic information systems (GIS) as they relate to their chosen field of study.

Students with questions about the minor or who would like more information should contact [Dr. Russell G. Congalton](mailto:russ.congalton@unh.edu) ([russ.congalton@unh.edu](mailto:russ.congalton@unh.edu)) in the Department of Natural Resources and the Environment, (603) 862-4644.

## Requirements

Students must complete a total of 20 credits. A grade of C- or better is required in each minor course and no course can be taken pass/fail. A total of not more than 8 credits from the student's major requirements can be counted toward the minor.

| Code   | Title   | Credits |
|--|---|---------|
| <b>Basic Statistics</b>                                    |   |         |
| Select one of the following:                               |   | 4       |
| BIOL 528   | Applied Biostatistics I                             |         |
| PSYC 402   | Statistics in Psychology                            |         |
| SOC 402  | Statistics  |         |
| Other basic statistics course as approved by minor advisor |   |         |
| <b>Introductory/Field/or Overview</b>                      |   |         |
| Select one of the following:                               |   | 4       |
| NR #458  | The Science of Where                                |         |
| CEE 404  | Surveying and Mapping                               |         |
| NR 415   | Natural Resources Field Methods                     |         |
| NR 603   | Landscape Ecology                                   |         |
| NR 615   | Wildlife Habitats                                   |         |
| NR 642   | Introduction to Biogeography                        |         |
| GEOG 590   | Field Research                                      |         |
| GEOG 591   | Making Maps: GIS Fundamentals                       |         |
| NR 757   | Remote Sensing of the Environment                   |         |
| ANTH #674  | Archaeological Survey and Mapping in Belize         |         |
| NR 795   | Investigations (Field Methods in GIS)               |         |
| <b>GIS</b>   |   |         |
| Select one of the following:                               |   | 4       |
| NR 658   | Introduction to Geographic Information Systems      |         |
| NR 760   | Geographic Information Systems in Natural Resources |         |
| CEE 796  | Special Topics (GIS in Water Resources)             |         |
| FORT 581   | Applied Geospatial Techniques                       |         |
| ESCI 777   | GIS for Earth & Environmental Sciences              |         |
| <b>Remote Sensing</b>                                      |   |         |
| Select one of the following:                               |   | 4       |
| NR 757   | Remote Sensing of the Environment                   |         |
| NR 759   | Digital Image Processing for Natural Resources      |         |
| ESCI 778   | Remote Sensing Earth & Environmental Sciences       |         |
| <b>Advanced Analysis</b>                                   |   |         |
| Select one of the following:                               |   | 4       |
| NR 707   | Environmental Modeling                              |         |
| NR 713   | Quantitative Ecology                                |         |
| NR 740   | Inventory and Monitoring of Ecological Communities  |         |