MINOR IN GEOSPATIAL INFORMATION SCIENCE FOR NATURAL RESOURCES

The minor in Geospatial Information Science for Natural Resources provides students with fundamental geospatial skills in natural resource science and management. Geographic information systems, global positioning systems, and remote sensing are key tools for the 21st century workforce.

This minor is designed for students desiring to gain technical skills and to increase their employment potential in an applied area. The minor in Geospatial Information Science has a broad interdisciplinary appeal due to the ability to adapt and use these technologies in many disciplines.

For more information on the minor including minor declaration events, please visit the department website (http://warnercnr.colostate.edu/geospatial-information-science-for-natural-resources-minor/).

Learning Objectives

Upon successful completion of this minor, students will be able to:

1. Describe geospatial characteristics of landscapes through the use of digital data.
2. Carry out geospatial data analysis procedures and generate cartographically sound thematic maps of derived geographical information.
3. Apply geospatial tools to solve real-world spatial problems in a competent manner.
4. Address problem-solving for natural resource management.
5. Soundly and accurately apply geospatial tools to different digital data sources to assess produced outcomes.
6. Comprehend and apply the principles of spatial analysis and modeling in real-world problem solving.
7. Understand and implement spatial analysis tools using state-of-the-art geographic information system software.
8. Understand concepts of data collection, data entry, and spatial data analysis for real-world problem solving.
9. Explore the breadth and depth of geospatial analysis in the natural environment.
10. Articulate and demonstrate an understanding of concepts and applications of geospatial analysis for natural resources.