

GEOSPATIAL DATA SCIENCE, CERTIFICATE

LEARNING OUTCOMES

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1. Explain the fundamental concepts and principles of geospatial data science, such as spatial data models, spatial analysis methods, spatial statistics, and spatial machine learning.
2. Collect, process, analyze, visualize, and communicate geospatial data and information using a variety of geospatial data science tools and other geospatial platforms.
3. Develop a variety of geospatial data science models and tools to collect, process, analyze, discover, visualize, and communicate geospatial data and information.
4. Apply geospatial data science techniques to real-world spatial problems in interdisciplinary contexts, such as environmental science, public health, urban planning, geospatial mobility, transportation, and social justice, and evaluate the ethical and societal implications of their solutions.