

# ECOSYSTEM MEASUREMENTS AND DATA ANALYSIS GRADUATE CREDIT CERTIFICATE

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## Learning Outcomes

1. Graduates will be able to describe and apply fundamental statistical principles and common sampling designs.
2. Graduates will be able to recognize the properties of geographic data; they will be able to find and use existing geographic data products; and they will be able to apply basic geographic information technologies, including geographic information systems and global positioning systems.
3. Graduates will be able to describe a variety of quantitative approaches to statistical sampling and monitoring for different natural resources, including vegetation, water quantity and quality, soils and wildlife, and be able to design and implement an ecosystem monitoring plan.