

Advanced Analysis with ArcGIS*Three days (24 hours)*

Overview

ArcGIS software provides many tools for solving complex spatial problems. This course examines modeling techniques used in spatial analysis and introduces processes and tools that can be used to perform a variety of GIS analysis tasks. The ArcGIS geoprocessing framework, which includes ArcToolbox, ModelBuilder, the command line, and scripts, is emphasized. Project-based exercises draw from a range of interesting real-world GIS applications. The course concludes with an exciting final project in which participants are challenged to implement many of the tools taught throughout the course. This course is taught using an ArcInfo license of ArcGIS since many of the advanced analysis tools used require an ArcInfo license. This course is designed for experienced ArcGIS users who want to learn about the advanced features of ArcGIS software for use in analysis.

Goals

Those completing this course will be able to

- Understand the analytical process and reasons for performing analysis.
- Describe various types of models.
- Understand the ArcGIS 9 geoprocessing framework including ModelBuilder, the command line, tools, and scripts.
- Find and apply a variety of geoprocessing tools.
- Create models and document workflows with ModelBuilder.

Prerequisites and recommendations

Participants should have completed *Introduction to ArcGIS I* or *Learning ArcGIS 9* and *Introduction to ArcGIS II* or have equivalent knowledge.