

Introduction to ArcGIS I (for ArcView 8, ArcEditor 8, and ArcInfo 8)

2 Day Course

Overview

This two-day course introduces students to ArcGIS and provides the foundation for becoming a successful ArcView, ArcEditor, or ArcInfo user. Participants learn how to use ArcMap, ArcCatalog, and ArcToolbox and explore how these applications work together to provide a complete GIS software solution. The course covers fundamental GIS concepts as well as how to create, edit, and work with georeferenced spatial data. Attendees learn how to manipulate tabular data, query a GIS database, and present data clearly and efficiently using maps and charts.

Audience

This course is for those who are new to ArcGIS or to geographic information systems in general.

Training at Smith College

ESRI authorized courses are offered at a discount to the Smith College community by the Spatial Analysis Lab. Participants that are not affiliated with Smith College are encouraged to attend our training classes at a cost slightly lower than other regional training opportunities. We welcome a diversity of participants to interact with our students and faculty to further enhance the learning environment.

Goals

- Display feature and tabular data
- Work with georeferenced spatial data
- Query features using logical expressions
- Find features using spatial relationships
- Edit spatial and attribute data
- Associate tables with joins and relates
- Produce maps, reports, and graphs

ArcGIS Course Overview:

Capabilities and applications, interacting with the interface, and basic display

Spatial data concepts: Representing spatial data and descriptive information

ArcGIS data model: Geodatabases, shapefiles, coverages, feature types, and attributes

GIS software: Components, functions, applications

Spatial coordinate systems and map projections: Georeferencing data, what map projections are, and how ArcMap works with map projections

Querying data: Selecting and identifying features and creating reports and graphs

Map displays: Creating, symbolizing, scaling, and adding map elements

Prerequisites and recommendations

Registrants should know how to use windowing software. This course provides the fundamental ArcGIS knowledge and experience needed to enroll in Introduction to ArcGIS II (for ArcView 8, ArcEditor 8, and ArcInfo 8) as well as several other ESRI courses. Many of the topics covered in this course are similar to those in What's New in ArcInfo 8 and Migrating from ArcView 3.x to ArcView 8. Attendees who complete this course should not enroll in What's New in ArcInfo 8 or Migrating from ArcView 3.x to ArcView 8. Students who have worked with ArcInfo prior to version 8 and want to learn about the new ArcInfo applications should take What's New in ArcInfo 8. Students who have worked with prior versions of ArcView and want to learn about ArcView 8 applications should take Migrating from ArcView 3.x to ArcView 8.

Price: \$600 per person (Two days)