

Editing in ArcMap - Creating & Modifying GIS Data

Course Length: 16 hrs

ArcGIS Version: 10.x

Overview

This 2-day course teaches students how to add, delete, and modify data using advanced editing techniques in ArcGIS. Students learn the fine details of editing in ArcMap, including how to use the proper combination of feature templates, construction methods, and workflows. The course introduces both map topology and geodatabase topology, and teaches students to effectively use topology constraints to keep data clean throughout the editing process. Students will also learn how to georeference an image and trace features off the image using ArcScan.

Audience

This course is for those who are already comfortable with the basics of ArcGIS and want to learn how to create and edit their data.

Topics Covered

Day 1

- Basic Editing (Creating Geodatabases and Feature Classes; Editing Workflow; Drawing New Features; Editing Attributes; Snapping; Feature Construction Toolbar; Mini-Toolbars)
- Editing Tools (Sketch Creation Tools; Copy and Paste; Feature Construction Tools; Construction Methods)
- Feature Templates (Create Features Window; Feature Template Creation; Filtering and Grouping; Searching; Managing; Sharing)
- Modifying Tables (Edit Attributes Manually; Edit Multiple Features; Edit Table; Field Calculator; Calculate Geometry)

Day 2

- Map Topology (What is Topology?; Map vs. Geodatabase Topology; Setting Up a Map Topology; Using Map Topology Tools)

- Advanced Editing and COGO Tools (Advanced Editing Tools; COGO Tools; Editor Menu Tools; Geoprocessing Tools)
- Geodatabase Topology (Creating Geodatabase Topology; Properties; Validation; Errors; Fixing Errors)
- Working with Raster Data (Georeferencing an Image; Working with ArcScan)

Prerequisites and Recommendations

Students should have knowledge of Microsoft Windows® and be familiar with the basic use of ArcGIS, including the topics covered in either the **Fundamentals of ArcGIS** or **ArcGIS Desktop I** classes.