

# Geoprocessing with Model Builder and Python

*2-Day Course*

## Overview

This two-day course introduces students to geoprocessing concepts in ArcGIS 9.3.

Topics covered include:

- Managing models in ArcGIS
- Python scripting introduction
- Command line interface to ArcGIS

## Audience

This course is designed for students who want to use geoprocessing in ArcGIS for analysis.

## Topics covered

### Introduction to Geoprocessing

- Geodatabase review
- Geoprocessing
- ArcToolbox
- Working with Tools
- Adding an existing Toolbox
- Creating a custom Toolbox

### Creating Models

- Model Builder
- The Modeling Environment
- Model Elements

### Modifying Models

- Setting Parameters
- Model Properties
- Running a Model

### Python Scripting

- Introduction to Python Scripting
- Creating Python scripts from models
- Writing a script
- Adding parameters to a script

- Command Line ArcGIS

Python Scripting Parameters and Model Builder

- Incorporate a script into a model
- Experiment with Model Builder and Scripting

## **Prerequisites and recommendations**

Knowledge of ArcGIS 9.