



## Integrating ArcGIS Desktop



*Self Paced Course*

Created by Geospatial Training Services, LLC

### Course Overview

In this course students learn how to integrate existing ESRI format data including shapefiles and geodatabases into a Google Earth format for display and manipulation. Students will master the use of various ArcGIS tools for directly converting both vector and raster data into Google Earth KML files. In addition, the class covers a number of other important topics including the ability to add a fourth dimension to your data (time), use Google Earth in an offline mode without the use of an Internet connection, create KML files through the use of a text editor, and integrate your existing imagery data into the display. Finally, it explores the various navigational, display, and search tools for optimizing your visualization experience with Google Earth.

### Target Audience

This course is designed for ArcGIS users who wish to learn how to integrate their data into Google Earth to make use of Google's functionality.

### Prerequisites and recommendations

This class assumes the student is an experience ArcGIS user.

### What You Get!

- Audio and Visual Lectures
- Software Demonstrations
- Exercises and Data
- Bound, Hard-Copy Lecture Materials

### Course Goals

After successfully completing this course students will have acquired a number of skills for using Google Earth with ArcGIS formatted data. Those skills will include:

- Learn fundamental Google Earth navigational tools such as zooming, panning, and tilt
- Master the ability to migrate your shapefiles and geodatabases to Google Earth KML files using various tools.
- Create your own KML files containing placemarks, paths, polygons, and image overlays
- Integrate your imagery data with Google Earth
- Add a fourth dimension (time display) to your Google Earth data.
- Use Google Earth in an off-line mode without the use of an Internet connection



## Course Modules

1. Introduction to Google Earth
2. How Google Earth Displays Data
3. Advanced Google Earth Functions
4. ArcGIS Desktop Translation Tools for Google Earth  
Third Party Tools for Translating ArcGIS Data to Google Earth

## Cost

The fee for this course is \$75.00 per student plus shipping for mail delivery\* or \$60.00 for digital download.

\* Mail delivery includes delivery of printed materials only. All electronic data and record lectures must still be downloaded from the internet. Only available in the US and Canada.

## Required Hardware & Software

The following is required to take this course:

ArcGIS Desktop 9.x or 10 (ArcView, ArcEditor, or ArcInfo)  
Internet Browser (Internet Explorer 7 or higher recommended)  
Windows XP, Vista or 7  
CD-ROM or DVD-ROM

If you do not have a copy of ESRI's ArcGIS Desktop software you can request a 60 day evaluation version by going to <http://www.esri.com/software/arcgis/arcview/eval/evaluate.html>

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