

FuturaGIS– Level II

FuturaGIS - Level II is the second of a progressive three-course series on training dedicated GIS personnel in an electric utility. This course is designed to build on the basic functionality of FuturaGIS and detail some customization techniques, as well as introduce the GIS user to how their Futura database is structured and maintained.

Before taking this course, students should be able to:

- Understand the functional design of ESRI ArcMap and use its navigational tools
- Add, edit, and delete features and their attribute data
- Apply basic symbology and labels
- Set the electric flow and use upstream/downstream traces.
- Search the network for specific features
- Validate the network model and export a file for Engineering Analysis

At the completion of this course, students will be able to:

- Use Futura Catalog Tools to adjust and update the geodatabase.
- Effectively model unique scenarios
- Understand Feature Groups and how to load data into them.
- Adjust and maintain feature class subtypes and domains.
- Create symbology and labels with greater customization.
- Perform network traces and generate minor reports
- Rebuild the Geometric Network.
- Create printed or digital truck maps for use in the field.

This two (2) day course is considered intermediate-level and is intended for users who have completed the FuturaGIS – Level I class.

Course Outline

ADMINISTRATIVE

ArcCatalog

- Futura Catalog Tools

FUTURAGIS

ESRI ArcMap/FuturaGIS

- Futura Database Structure
 - Feature Groups
 - Attribute table
 - Relationship Classes
 - What are subtypes?
 - Domains
 - FuturaGIS toolbars
 - Tracing & Futura Network Attributes Tool
 - Flags & Barriers
 - Upstream & Downstream Tracing
 - ESRI Functionality
 - Creating new toolbars
 - Templates
 - Selection Tools
 - Field Calculations
 - Advanced Layer Properties
 - Drawing Toolbar
 - Geometric Network Maintenance
 - Printing Maps
 - Futura Publisher
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