

FuturaGIS – Level I

FuturaGIS - Level I is the first of a progressive three-course series for training dedicated GIS personnel in an electric utility. This course is designed to introduce the essential functionality of FuturaGIS and teach GIS Analysts how to navigate, maintain, add, edit, and delete features in the map. At the completion of 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

This three (3) day course is intended for beginner-level users with little or no prior ESRI and/or Futura experience.

Course Outline

ESRI ArcMap/FuturaGIS

- What is the difference between ESRI and Futura?
- What is an MXD?
 - Desktop icons
 - Data Frame
 - Symbology
 - Labels
 - Linked data from a data source
- Futura Database Structure
 - Types of Feature Classes
 - Geographic Data Formats
 - Feature Classes vs. Table
 - Attribute table
 - Domains
- ESRI Functionality Review
 - Adding/removing toolbars
 - Add Data
 - Table of Contents
 - Editing
 - ESRI Navigation Tools
 - ESRI Selection Tools
 - Reference Scale
 - Layer Properties
- Futura Functionality Overview
 - Futura Distribution Insertion Toolbar
 - Drawing a Network
 - Modifying existing features
 - Other FuturaGIS toolbars
 - Tracing & Futura Network Attributes Tool
 - Electric Validation Tool
 - Futura Export and Export File Validation

UPN-GIS/CIS-GIS

- Connect to UPN/CIS
- Looking up a Location in UPN/CIS
- Getting Location information from UPN/CIS