

ViewBuilder II

Automated Logic Training Course Description



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AutomatedLogic

Course Overview

Students will create equipment graphics from a schematic drawing and technician pages. As an example, students will be tasked to create one graphic for different types of similar equipment with the idea of creating a master graphic for all VAVs to shorten engineering time. In addition, students will create a standard template for their company. Upon successful completion of this course, students will be able to identify, define, and/or apply advanced conditional expressions, WebCTRL paths for system/equipment linking, and complete customization of equipment graphics, including HTML controls, external links, document links, email links, and custom images and symbols for WebCTRL graphics.

The ViewBuilder II course has been developed for individuals that require advanced graphical interfaces to accomplish custom scenarios. Learners will use all the options within ViewBuilder as well as the EquipmentBuilder tool.

Traditional Classroom: A live instructor will lead up to 12 students (course dependent) in hands-on exercises with minimal lecture in between. Using the situated learning techniques of the Kirkpatrick Model, this methodology fosters a collaborative learning environment where students are positioned to maximize knowledge retention. This course is a 2-day event.

Instructor-Led eLearning: A live instructor will lead students using video conferencing and remote access software. Students will be provided with remote access to a training station, enabling them to perform hands-on exercises and participate fully in the virtual classroom from any location with internet connectivity. This course is hosted in the same 2-day timeframe and manner as the traditional classroom format.

Students must have the following access and hardware requirements:

- Internet access
- Administrative rights on your PC to install video conferencing and ConnectWise
- Web Camera
- Audio availability through PC or Phone

To enhance the student experience, we recommend:

- Additional laptop or desktop (one for video conferencing meeting & one for student tasks)
- OR additional monitor attached to your PC
- Printer
- Mouse (tablet touch screen or PC touchpad not recommended)

Training Objectives

To create equipment graphics from a schematic drawing as well as technician pages. To understand all the controls, expressions, and links of ViewBuilder.

- Create advanced equipment and area graphics
- Incorporate Add-ons and Custom Reports to graphic files
- Utilize custom options such as conditional expressions, layers, local variables, and the advanced library

Class Details

More Controls

- Graphic Control

Add-ons

- Creating Document Lists
- Add Add-on Control
- Generate & Edit the docs.csv file
- Load the Docs Configuration
- Notes Add-on

Custom Report Controls

- Add a Table to a Graphic
- Add a Chart to a Graphic

Symbol Viewer

- Utilize the Symbol Viewer

Expressions & Local Variables

- Create a Combined Conditional Expression
- Show/Hide Based on a Radio Button
- Using a Local Variable to Test a Control

Create equipment graphics

- Place the background ductwork and arrows
- Program smaller components
- Find/Replace
- Math Expressions
- Variable Color Expressions
- Associating an On-Off-Auto Symbol
- Distribute and align components
- Links to metering equipment
- Trend displays and current time
- External links to a file
- Enable / Disable conditional expressions
- Adding an image list
- Notes display for graphics
- Add a second .view file to a WebCTRL tree item
- Create external links to ALC support
- Create internal links to ALC support
- Create a Point Configuration table
- Create a Controller Information table
- Creating HTML control buttons

Class Requirements

To receive a certificate for this course student must be present for the entire course, complete all workshops and receive a grade of 70% on graded final.

Prerequisite requirements

- ViewBuilder I