

## Introduction to CIMPLICITY - Online

### Course Description

The **Introduction to CIMPLICITY - Online** course is an entry-level course focusing on multiple aspects of project configuration. This course will guide students through the rudiments of building and modifying a CIMPLICITY HMI/SCADA application.

It is a legacy course based on **CIMPLICITY Plant Edition (v.6.1)**. The entire course is delivered online directly to your web browser.



### Who Should Attend?

This course is designed for those who design, develop and deploy CIMPLICITY HMI/SCADA Systems.

### Are There Any Prerequisites?

Participants should have a working knowledge of Internet Explorer, and Windows operating systems. All participants also need an account at the GE Intelligent Platforms training portal – EDGE.

### What Tasks Will Be Taught in This Online Course?

Upon completion of this Course, the student will be able to:

- Create and configure a new Project including the Point Database of the project.
- Configure graphic screens.
- Create Events and Actions using the Basic Control Engine, including simple scripts using a VB compliant language.
- Create Database Logging tables.
- Create and modify Trend Charts and Alarm Viewers.
- Use a variety of CIMPLICITY System Utilities and Operating System administrative options to troubleshoot project or system process faults.
- Understand architecture communication between CIMPLICITY Servers and Viewers.

### Course Length

16 hours

### Course License

90 day license for courseware @ EDGE

### Web-site

<http://www.ge-ip-learning.com>

This course can be accessed 24 hours a day! You control the time, the place, and the pace



## Course Agenda

### Module 1 – Project Configuration

Learn the basic features and design of the CIMPLICITY software. Create a new project and configure the devices, protocols, ports, resources, points, alarms classes, strings and alarms. Access the Point Control Panel and create a new Point Control Panel.

The estimated time to complete this module is 3.5 hours.

### Module 2 – Graphics

Create and configure a graphic screen. Adding text and shape objects to the graphic screen, adding fill animations to shape objects, adding, modifying and linking of SmartObjects, configuring execution conditions, creating text buttons with events and actions, creating visibility links, creating font animation and learning to manage graphic screens.

The estimated time to complete this module is 3 hours.

### Module 3 – Basic Control Engine

Create events and actions, display and trigger events and actions in the BCEUI, and configure a simple script using wizards in the Script Editor.

The estimated time to complete this module is 1.5 hours.

### Module 4 – Database Logging

Create new tables within the Database Logger, configure logging and maintenance options within the tables, add points to the new tables and view the historical data through Excel reports.

The estimated time to complete this module is 1 hour.

### Module 5 – Trending

Execute a Quick Trend Chart, create an embedded Trend Chart in a screen and apply ActiveX trend methods to a trend chart.

The estimated time to complete this module is 1.5 hours.

### Module 6 – Alarms

Create a Stand-Alone Alarm Viewer, create and configure an embedded Alarm Viewer, create filters, associating sounds with an alarm class and activating the Alarm Sound Manager.

The estimated time to complete this module is 1 hour.

### Module 7 – Networking and System Administration

Configure a project for Broadcast, create a remote project to enable Enterprise Server, create text objects for Point by Address and command line switches on screen shortcuts. Use the Import/Export Command Line Utility, the IDTPOP Utility to view tables within the database, Process Control to display the projects processes, open Project Status Logs to view error messages, look at the CIMPLICITY Options, use the Point Cross Reference, access Device Quick View and PLC fault tables.

The estimated time to complete this module is 2 hours.

### System Requirements

**OS:** Windows (recommended)

**Browser:** Internet Explorer (recommended)

**Plug-ins:** Flash v5.0+, Adobe Reader

**Browser features:** Java Applets & ActiveX enabled

**Security Level:** Medium

**Screen Resolution:** 800 x 600 (minimum)

